

NOTICE - WHEN EXAMINING DRAWINGS, ENGINEERS, DESIGNERS, OR OTHERS MUST BE AWARE THAT THE DRAWING IS A REPRESENTATION OF THE ACTUAL PART. THE ACTUAL PART MAY BE DIFFERENT FROM THE DRAWING DUE TO MANUFACTURING TOLERANCES, MATERIAL PROPERTIES, OR OTHER FACTORS. THE ACTUAL PART MUST BE EXAMINED TO DETERMINE IF IT CONFORMS TO THE DRAWING. IF IT DOES NOT, THE ACTUAL PART MUST BE REJECTED. THE ACTUAL PART MUST BE EXAMINED TO DETERMINE IF IT CONFORMS TO THE DRAWING. IF IT DOES NOT, THE ACTUAL PART MUST BE REJECTED. THE ACTUAL PART MUST BE EXAMINED TO DETERMINE IF IT CONFORMS TO THE DRAWING. IF IT DOES NOT, THE ACTUAL PART MUST BE REJECTED.

1003400

REVISED	DATE	APPROVAL
REVISED PER TDRR 13302	11/1/64	WAC
DR P. B. B. CHK. C. M. 6/7/64		

TABLE I

AGC SUBSYSTEM	AGC SUBSYSTEM NO.	AGC	NAV DSKY	MAIN DSKY	FTM	NAME PLATE INFORMATION (SEE NOTE 2)	
						SERIAL NO.	PART DASH NO.
1003400-	5	1003186	1003458	1003459	1003400-1	RAY 1	-
1003400-1	6	1003186	1003458	1003459	1003400-1	RAY 2	1003400-1
1003400-2	7	1003186	1003458	1003459	1003400-2	RAY 3	1003400-2
1003400-3	8	1003469	1003524	1003540	1003400-3	RAY 4	1003400-3
1003400-3	20	1003469	1003524	1003540	1003400-3	RAY 5	1003400-3
1003400-4	9	1003477	1003524	1003540	1003400-4	RAY 10	1003400-4

NOTE

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. STAMP THE NAMEPLATE ON THE AGC MAIN DSKY AND NAV DSKY WITH PART NUMBER AND SERIAL NUMBER PER TABLE I

MASTER

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON
		FRACTIONS DECIMALS ANGLES
		± ± ±
		DO NOT SCALE THIS DRAWING
		MATERIAL
		HEAT TREATMENT
		FINAL FINISH
NEXT ASSY	USED ON	
APPLICATION		

QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIG. NO.
LIST OF MATERIALS			
MIT INSTRUMENTATION LAB CAMBRIDGE, MASS.		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN <i>[Signature]</i> DATE <i>June 22, 1964</i>		APOLLO GUIDANCE COMPUTER SUBSYSTEMS	
CHECKED <i>[Signature]</i>		CODE IDENT NO. SIZE	
APPROVAL <i>[Signature]</i>		C 1003400	
NASA APPROVAL <i>[Signature]</i>		SCALE WT	
MIT APPROVAL <i>[Signature]</i>		SHEET 1 OF 1	

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	INSTRUMENTATION LAB CAMBRIDGE, MASS.		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
		FRACTIONS DECIMALS ANGLES ± ± ±	DRAWN <i>[Signature]</i> DATE <i>6-10-68</i>	CHECKED <i>[Signature]</i> DATE <i>7-22-68</i>	APOLLO GUIDANCE COMPUTER SUBSYSTEMS	
		DO NOT SCALE THIS DRAWING MATERIAL	APPROVAL _____	APPROVAL <i>[Signature]</i> DATE <i>1-10-69</i>		
		HEAT TREATMENT	NASA APPROVAL <i>[Signature]</i>	MIT APPROVAL _____	CODE IDENT NO. _____	SAGE C
		FINAL FINISH	MIL APPROVAL <i>[Signature]</i>	MIL APPROVAL _____	NASA DRAWING NO. 1003400	
NEXT ASSY	USED ON	APPLICATION			SCALE _____	WT _____
					SHEET 1 OF 1	

NOTES - WHEN MODIFYING DRAWINGS, SPECIFICATIONS, OR OTHER DATA, THE USER MUST FIRST OBTAIN THE ORIGINAL DRAWING, SPECIFICATION, OR OTHER DATA, AND THEN MAKE THE MODIFICATION. THE USER MUST ALSO OBTAIN THE APPROVAL OF THE AUTHORITY RESPONSIBLE FOR THE ORIGINAL DRAWING, SPECIFICATION, OR OTHER DATA. THE USER MUST ALSO OBTAIN THE APPROVAL OF THE AUTHORITY RESPONSIBLE FOR THE MODIFICATION. THE USER MUST ALSO OBTAIN THE APPROVAL OF THE AUTHORITY RESPONSIBLE FOR THE ORIGINAL DRAWING, SPECIFICATION, OR OTHER DATA. THE USER MUST ALSO OBTAIN THE APPROVAL OF THE AUTHORITY RESPONSIBLE FOR THE MODIFICATION.

QUANTITY	PART NUMBER	DESCRIPTION
16	1003074	LOGIC MODULE A1-A16
18 (1 OF EACH)	1003174	LOGIC MODULE (TABULATED) A17, A18, A21-A38
1	1003165	DRIVER SERVICE MODULE B7
1	1003153	CURRENT SWITCH MODULE B9
1	1003069	RESEARCHER MOUNT MODULE B9
2	1003139	RESEARCHER DRIVER MODULE B10-B11
1	1003140	POWER SUPPLY MODULE B12
1	1003127	OSCILLATOR MODULE B4
2	1003113	POWER SWITCH MODULE B2-B4
2	1003138	RESEARCHER SENSE AMP. MODULE B13-B14
2	1003178	ROPE DRIVER MODULE B31
1	1003167	STRAND GATE MODULE B30
1	1003132	STRAND SELECT MODULE B30
1	1003134	ROPE SENSE AMPLIFIER MODULE B26 OR B27
2	*1003788	INTERFACE MODULE A20 OR A40
		(DESIGN LAYOUT CLASS B)
2	*1003799	INTERFACE MODULE A19 OR A39
		(DESIGN LAYOUT CLASS B)
1	*1003703	"A" RESEARCHER ASST. (NOT RELEASED)
1	*1003708	"B" RESEARCHER ASST. (NOT RELEASED)
1	*1003709	RESEARCHER MOUNT ASST. (NOT RELEASED)
1	*1003797	FLIGHT MODULE ASSEMBLY B5

NOTE:

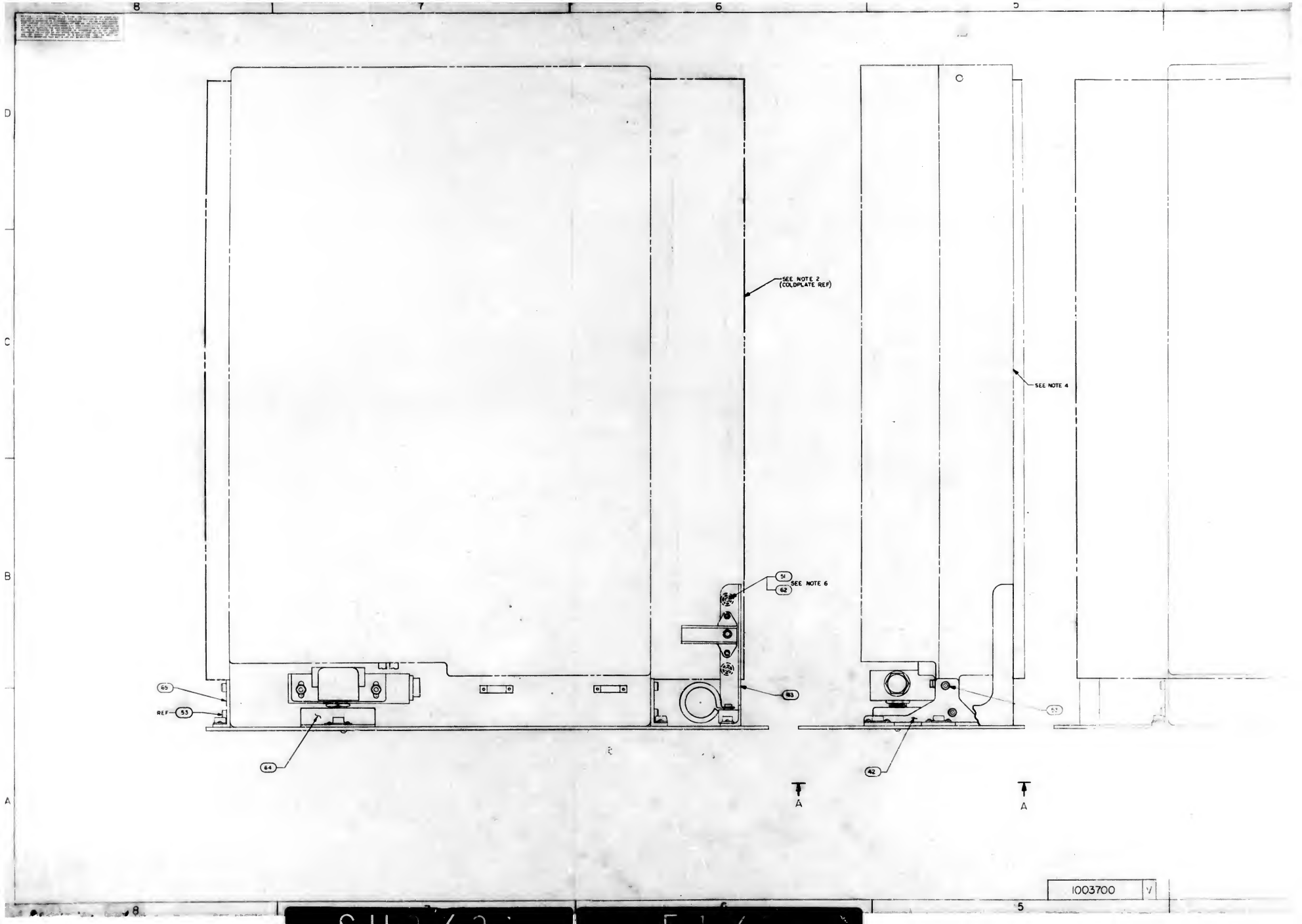
* DENOTES PARTS WHICH ARE INCLUDED IN RETROFIT KIT.

QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
LIST OF MATERIALS			
SIGNATURES		DATE	INSTRUMENTATION LABORATORY MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. COMPUTER ASSY WORD DRAWING
DRAWN	<i>W. J. H. H. H.</i>	6/6/64	
CHECKED	<i>W. J. H. H. H.</i>	6/6/64	
DESIGNER	<i>W. J. H. H. H.</i>	6/6/64	
ENGINEER	<i>W. J. H. H. H.</i>	6/6/64	
HEAT TREATMENT		MIT APPROVAL	CODE IDENT NO. SIZE
FINAL FINISH		<i>W. J. H. H. H.</i>	MIT DRAWING NO.
APPLICATION		NASA APPROVAL	1003700
		SCALE	WT SHEET OF

Ⓐ REPLACED BY REV B
(CONFIGURATION DWG)

1003700 A

REVISIONS 10377			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACED BY CONFIGURATION DWG. REV B PER TDOR 1234	9/1/64	<i>LM</i>



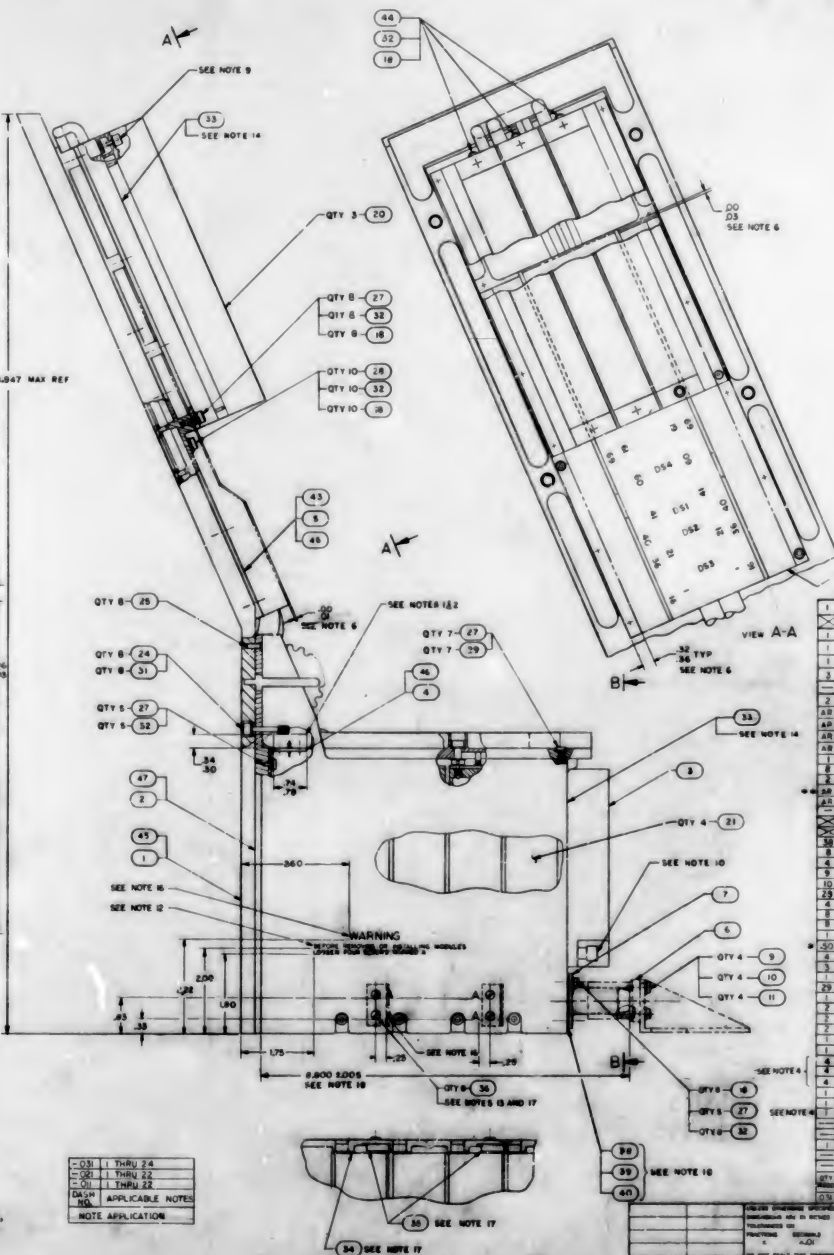
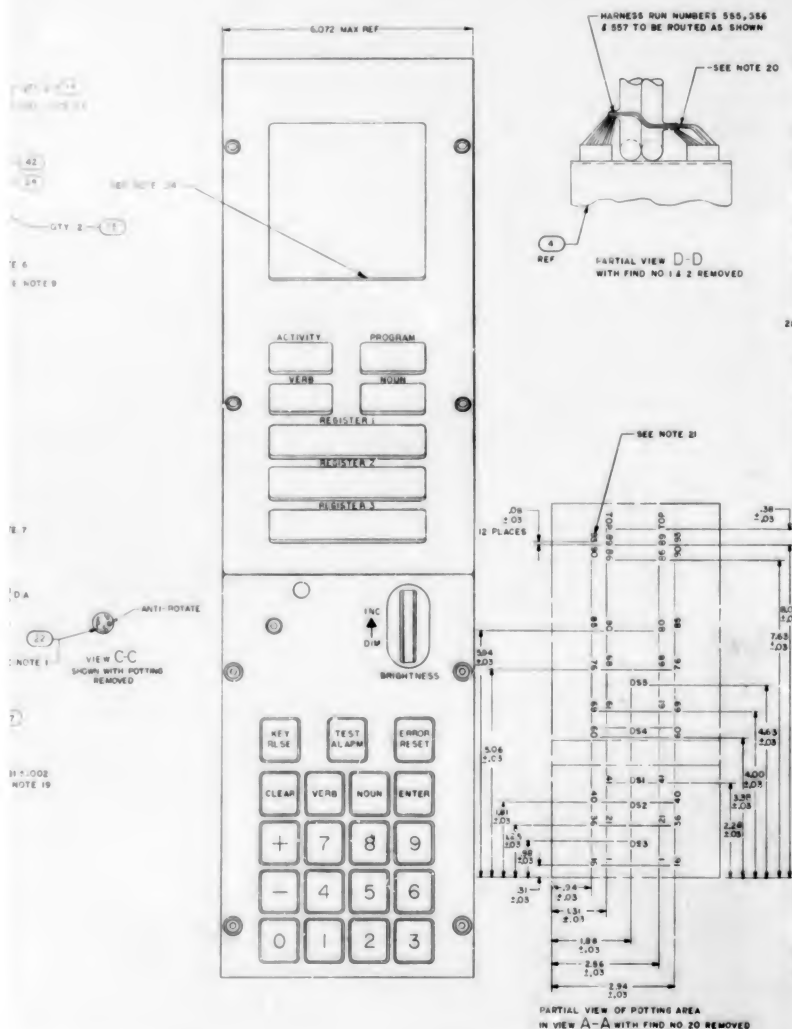


VIEW A-A

A	00030001	
B	RELEASED PER TORR 2374	7/1/67
C	REVISED PER TORR 2762	7/1/67
D	REVISED PER TORR 2762	7/1/67
E	REVISED PER TORR 2762	7/1/67
F	REVISED PER TORR 15247	7/1/67
G	DR CHCK CHK 5080	7/1/67
H	REVISED PER TORR 16137	7/1/67
I	DR CHCK CHK 5080	7/1/67
J	REVISED PER TORR 16336	7/1/67
K	DR CHCK CHK 5080	7/1/67
L	REVISED PER TORR 16776	7/1/67
M	DR CHCK CHK 5080	7/1/67
N	REVISED PER TORR 2173	7/1/67
O	DR CHCK CHK 5080	7/1/67
P	REVISED PER TORR 19002	7/1/67
Q	DR CHCK CHK 5080	7/1/67
R	REVISED PER TORR 19002	7/1/67
S	DR CHCK CHK 5080	7/1/67
T	REVISED PER TORR 22530	7/1/67
U	DR CHCK CHK 5080	7/1/67
V	REVISED PER TORR 24235	7/1/67
W	DR CHCK CHK 5080	7/1/67
X	REVISED PER TORR 24781	7/1/67
Y	DR CHCK CHK 5080	7/1/67
Z	REVISED PER TORR 30087	7/1/67
AA	DR CHCK CHK 5080	7/1/67
AB	REVISED PER TORR 33000	7/1/67
AC	DR CHCK CHK 5080	7/1/67
AD	REVISED PER TORR 33422	7/1/67
AE	DR CHCK CHK 5080	7/1/67

47	47	47	47	47	47	IO64330-005	TEST MACHINE, RA 6	175
						IO63230-001	TEST CONNECTOR ASSY	175
						IO63701-001	TRAY 8 WIRED ASSEMBLY	175
						IO63705-011	FRONT CLOSE-OUT PANEL	175
						IO64174-001	CUMMINS, TRAY A 8	175
						IO64773-001	CUMMINS, TRAY A 8 B	175
						IO63556-021	CUMMINS, TRAY 8	175
						IO63557-021	CUMMINS, TRAY A	175
						IO63703-011	TRAY 8 WIRED ASSEMBLY	175
						IO64893-001	FRONT CLOSE-OUT PANEL	175
						IO64782-001	RAID PLATE 1, TRAY A 8 B	175
						IO64366-001	CUMMINS, TRAY 1 5 B	175
						IO64765-001	CUMMINS, TRAY A 8	175
						IO63856-001	CUMMINS, TRAY 8	175
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[illegible]



REVISED PER TORR 10490		DATE	BY
A	REVISED PER TORR 10490	1/26/87	W
B	REVISED PER TORR 10490	1/26/87	W
C	REVISED PER TORR 10490	1/26/87	W
D	REVISED PER TORR 10490	1/26/87	W
E	REVISED PER TORR 10490	1/26/87	W
F	REVISED PER TORR 10490	1/26/87	W
G	REVISED PER TORR 10490	1/26/87	W

[illegible]

Q41 N: Y-QUE FOR JACKING SCREWS (1004583) TO BE 3-4 IN LB
R41 2: PER ND002023
PR 40: 0 HIGH WHITE PER ND1002019 & ND1002122 TYPE II CLASS 5

[illegible]

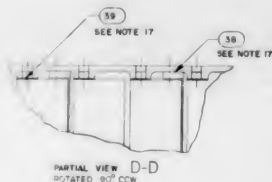
REFERENCE
110P0105; NAV DSKY TO HANDLING FIXTURE ASSEMBLY

19. MACHINE 19801884 DIA DOWEL PIN HOLE IN RELAY HOUSING TO ATTAIN
7.781 1.002 AND 1.875-02 DIMENSION LOCATED FROM CENTER OF
GUIDE PIN AT ITS BASE TO CENTER OF ALIGNMENT PIN
20. LACE VIN NO 995, 556 TO LACE SHOWN VIN NO 41
21. MARK DOWEL/10 HIGH WATER PER NOVOGON (BY WEIGHT) TOLUOL PER
USING AS INK 006338 DILUTED WITH 40.25% (BY WEIGHT) TOLUOL PER
FED-SPC T7-48
22. AR DENOTES AS REQUIRED
23. INSTALL VIN NO14 USING LOCKTITE PER MIL-S-22473, GRADE CBLU)
24. GAP BETWEEN VIN NO 49 & VIN NO 48 TO BE FILLED PER NOVOGON, TYPE 5
PUTTING TO BE FILLED IN CUT-OUT OF FINE HLES, ONLY
PERIMETER OF D86 INDICATOR

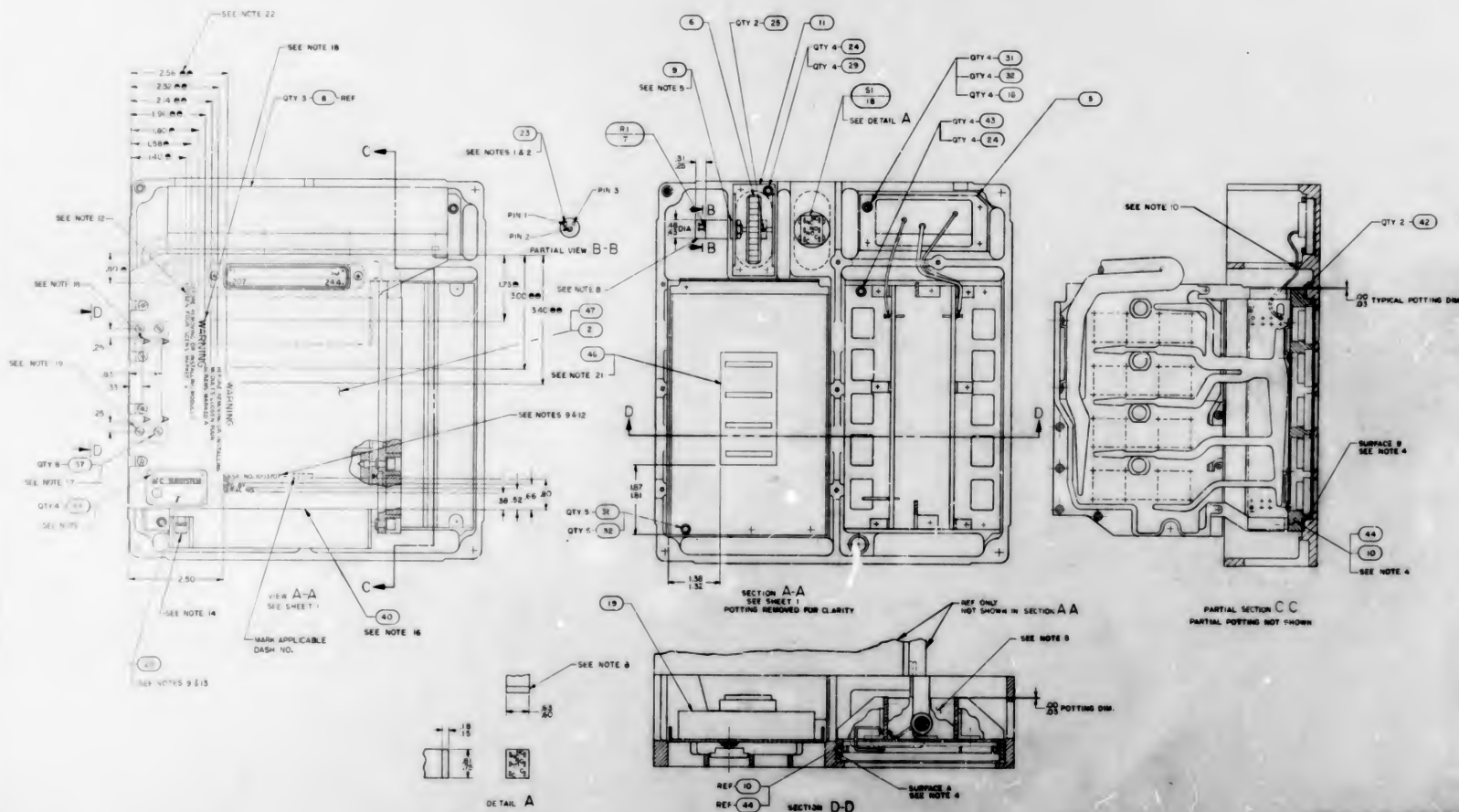
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-021	1 THRU 22
-011	1 THRU 22
DASH NO.	APPLICABLE NOTES
NOTE APPLICATION	

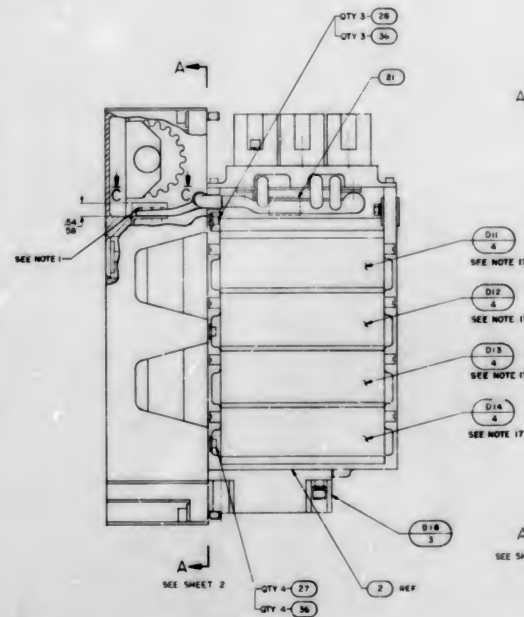
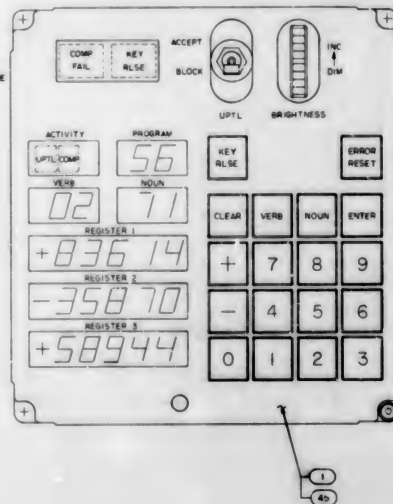
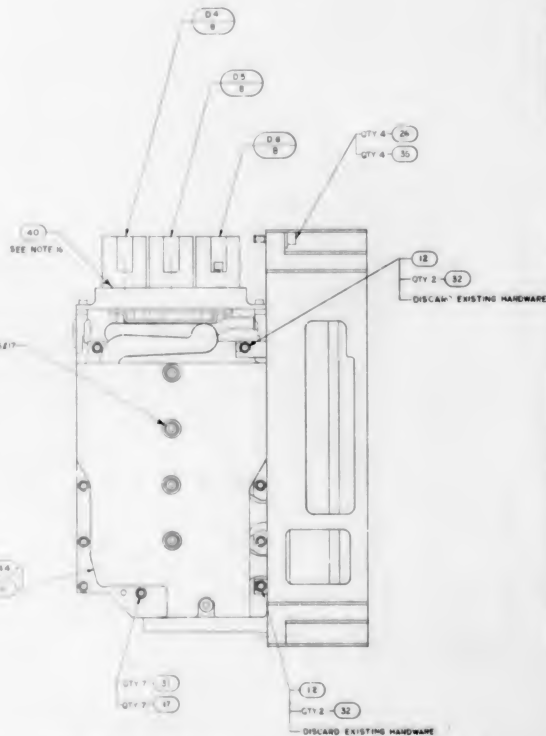
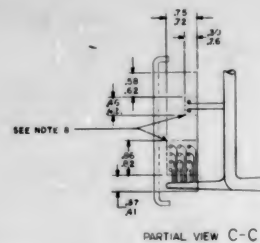
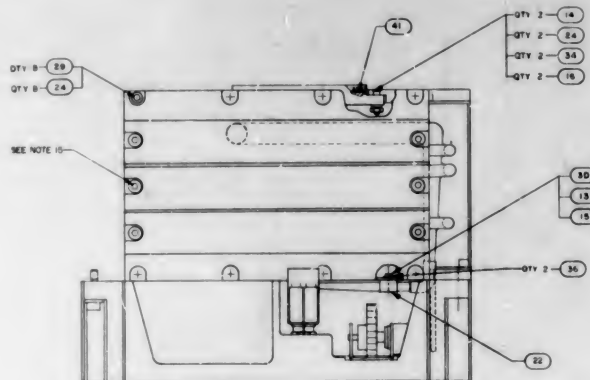
AGC NAV DSKY ASSY
100 SERIES

COPIES MADE BY	DATE	FILE NUMBER
80230	J	1003706





PARTIAL VIEW D-D
ROTATED 90° CCW

[illegible][illegible]



	DATE	DESCRIPTION	AMOUNT	BALANCE
A	REVISED PER YORK 1510			
B	REVISED PER YORK 2058			
C	REVISED PER YORK 2150			
D	REVISED PER YORK 1508			
E	REVISED PER YORK 2243			
F	REVISED PER YORK 2420			
G	REVISED PER YORK 242-3			

[illegible]

22.  INDICATES MARKING DIM. FOR -031 ONLY
 INDICATES MARKING DIM. FOR -011 & -021 ONLY

[illegible]

FOR LIST OF MATERIALS SEE SHEET 2

1. NAME (LAST, FIRST, MIDDLE) 2. DATE OF BIRTH (MM/DD/YY) 3. SEX (M/F) 4. GRADE (1-12) 5. SCHOOL (NAME AND ADDRESS) 6. CITY (NAME AND STATE) 7. ZIP CODE (5 DIGIT) 8. PHONE NUMBER (AREA CODE AND NUMBER) 9. OCCUPATION (NAME AND ADDRESS) 10. CITY (NAME AND STATE) 11. ZIP CODE (5 DIGIT) 12. PHONE NUMBER (AREA CODE AND NUMBER)		13. NAME (LAST, FIRST, MIDDLE) 14. DATE OF BIRTH (MM/DD/YY) 15. SEX (M/F) 16. GRADE (1-12) 17. SCHOOL (NAME AND ADDRESS) 18. CITY (NAME AND STATE) 19. ZIP CODE (5 DIGIT) 20. PHONE NUMBER (AREA CODE AND NUMBER)	
21. NAME (LAST, FIRST, MIDDLE) 22. DATE OF BIRTH (MM/DD/YY) 23. SEX (M/F) 24. GRADE (1-12) 25. SCHOOL (NAME AND ADDRESS) 26. CITY (NAME AND STATE) 27. ZIP CODE (5 DIGIT) 28. PHONE NUMBER (AREA CODE AND NUMBER)		29. NAME (LAST, FIRST, MIDDLE) 30. DATE OF BIRTH (MM/DD/YY) 31. SEX (M/F) 32. GRADE (1-12) 33. SCHOOL (NAME AND ADDRESS) 34. CITY (NAME AND STATE) 35. ZIP CODE (5 DIGIT) 36. PHONE NUMBER (AREA CODE AND NUMBER)	

NOTICE - WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE, OTHER THAN TO CONFORM TO THE SPECIFICALLY STATED REQUIREMENTS OF THE DRAWING, THE USER ASSUMES ALL LIABILITY FOR ANY INADEQUACIES OR INACCURACIES. THE USER SHALL BE RESPONSIBLE FOR ANY INADEQUACIES OR INACCURACIES. THE USER SHALL BE RESPONSIBLE FOR ANY INADEQUACIES OR INACCURACIES. THE USER SHALL BE RESPONSIBLE FOR ANY INADEQUACIES OR INACCURACIES.

ITEM NO.	NAME PLATE INFO	AGC SUB-SYS PART NO.	CONFIGURATION SERIAL NO.	AGC SYS NO. (REF)	COMPUTER PART NO.	NAV DSXY	MAIN DSXY PART NO.	G/N DETECT MOD PART NO.	TEST SPECIFICATION	RETHO FIT KIT NO.	REMARKS
16	1003770-161	RAY 205, 170 210, 180 220, 190 225, 200	SP41, 121 123, 111 124, 109 SP42 122	1003700-051	1003704-031	1003563-031	1003220-011	RIB 0104049	8104088	8104088	GM FAILURE DETECT ASSY
17	1003770-171	RAY 140	110	1003700-051 1003563-031 1003704-031	1003704-031 1003563-031 1003704-031	1003563-031 1003704-031 1003563-031	1003220-011	RIB 0104049	8104088	8104088	GM FAILURE DETECT ASSY
18	1003770-181	RAY 110	120	1003700-051 1003565-031	1003704-031 1003570-021	1003563-031 1003564-021		FTM 1003770 0104068	8104098 8104099	8104098 8104099	UPDATE TO NEW IDC REQUIREMENTS INTERNAL TEST POWER
19	1003770-191	RAY 140	110	1003565-021	1003577-011	1003576-011		FTM 1003770	8104174	8104174	NEW IDC REQUIREMENTS GRD 0 VOLTS POWER SWITCH MODULES
20	1003770-201	RAY 140	110	1003565-041	1003577-021	1003576-021		RIB 0104078	8104208	8104208	UPDATE IIC VIB. FIXES NEW FRONT CLOSE OUT PANEL, GUIDE PINS

REVISIONS						
SYN	ZONE	DESCRIPTION	DR	CHK	DATE	APPROVED
K		THIS SHEET ADDED PER TDRR 24841				
L		REVISED PER TDRR 27326	Q70	BS	1/16/60	Q70
M		REVISED PER TDRR 29702	Q70	BS	6/8/60	Q70
N		REVISED PER TDRR 31515	Q70	BS	12/8/60	Q70

(K) THIS SHEET ADDED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES CAPACITOR VALUES ARE IN μ RESISTOR VALUES ARE IN OHMS TOLERANCES ON FRACTIONS DECIMALS ANGLES * * * DO NOT SCALE THIS DRAWING
		MATERIAL
NEXT ASSY	USED ON	
APPLICATION		

QTY REQD	PART OR IDENTIFYING NO.	MATERIAL OR NOTES	NOMENCLATURE OR DESCRIPTION	FIND NO.
LIST OF MATERIALS				
MIT INSTRUMENTATION LAB CAMBRIDGE, MASS.		MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
DRAWN Raul Macheda		8 Dec 65		
CHECKED				
APPROVED				
APPROVED [Signature]				
APPROVED MIT [Signature]				
APPROVED A. C. METZGER				
DATE		SCALE NONE	SHEET 2 OF 2	

APOLLO GUIDANCE
COMPUTER GROUP

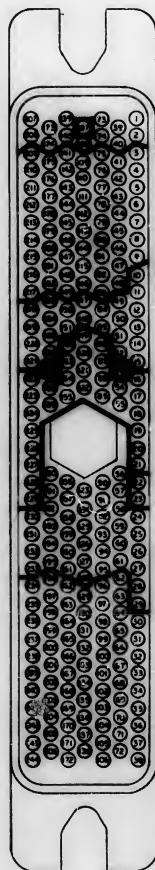
CODE IDENT NO. 80230
SIZE C
DRAWING NO. 1003770C

REVISIONS				
REV	DESCRIPTION	DATE	APPROV	
A	REVISED PER TDR 16353 DR to type CHK of the of	5/24/85	JAC	
B	REVISED PER TDR 16956 DR to type CHK of the of	4/28/85	JAC	

MODULE NO.	PART NO.	REV	EVEN	ODD	REF FLOW	REF WIRING	KEY POSITIONS
A17	1003812-1	B	1003813-2	1003814-2	1006543	1006123	ACDESTUY
A18	1003812-2	A	1003813-3	1003814-3	1006542	1006122	AFGHVWXY
A21	1003812-3		1003813-4	1003814-4	1006556	1006136	AEFGUVWY
A22	1003812-4		1003813-5	1003814-5	1006553	1006133	ACDEFTVY
A23	1003812-5		1003813-6	1003814-6	1006545	1006125	ACDESTWY
A24	1003812-6		1003813-7	1003814-7	1006555	1006135	ACDHSTXY
A25	1003812-7		1003813-8	1003814-8	1006554	1006134	ACEFSUVY
A26	1003812-8		1003813-9	1003814-9	1006549	1006129	ACEGSUWY
A27	1003812-9		1003813-10	1003814-10	1006544	1006124	ACEHSUXY
A28	1003812-10		1003813-11	1003814-11	1006552	1006132	ACFESVWY
A29	1003812-11		1003813-12	1003814-12	1005763	1005761	ACFHSVXY
A30-A31	1003812-12		1003813-13	1003814-13	1006548	1006128	ACGHSRXY
A32	1003812-13		1003813-14	1003814-14	1006546	1006126	ADESTWY
A33-A34	1003812-14		1003813-15	1003814-15	1006547	1006127	ACDEHTUY
A35	1003812-15		1003813-16	1003814-16	1006541	1006121	ADFGTYWY
A36	1003812-16		1003813-17	1003814-17	1006557	1006137	ADGHTVXY
A37	1003812-17	V	1003813-18	1003814-18	1006550	1006130	ADGHTWXY
A38	1003812-18	B	1003813-19	1003814-19	1006551	1006131	AEFHUVXY

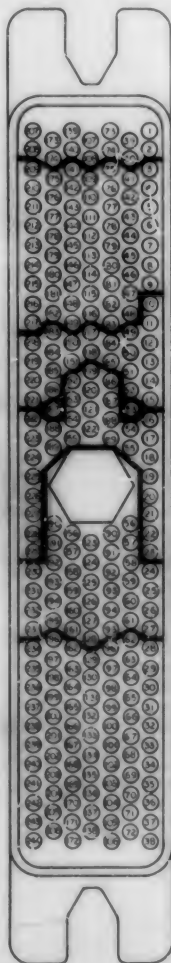
		QTY REQD		PART OR IDENTIFYING NO		NOMENCLATURE OR DESCRIPTION		FIN NO	
		LIST OF MATERIALS							
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON		MATERIAL		MANNED SPACECRAFT CENTER HOUSTON, TEXAS			
		FRACTIONS DECIMALS ANGLES		INSTRUMENTATION L&S					
		± ± ±		QTY OF					
				DRAWN <i>W. G. G.</i> DATE <i>1-10-60</i>					
				CHECKED <i>W. G. G.</i> DATE <i>1-10-60</i>					
		DO NOT SCALE THIS DRAWING MATERIAL		APPROVAL		LOGIC MODULE ASSY (TABULATED)			
				APPROVAL <i>E. C. G.</i>					
		HEAT TREATMENT		NASA APPROVAL <i>W. G. G.</i>		CNSC EIGHT NO.		E	
				DATE <i>1-10-60</i>		E		1003812	
NEXT ASSY		USED ON		BY APPROVAL <i>W. G. G.</i>		SCALE		E	
APPLICATION								1003812	

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327



MALE PLUG
CONTACT SIDE

207 1A8	173 239	139 168	107 245	73 167	39 251	1 167
208 170	174 240	140 170	108 241	74 169	40 243	2 169
209 247	175 215 SIG.	141 213	109 217 SIG.	75 212	41 219 SIG.	3 211
210 214 SIG.	176 215 RET.	142 216 SIG.	110 217 RET.	76 216 SIG.	42 219 RET.	4 220 SIG.
211 216 RET.	177 222 SIG.	143 216 RET.	111 224 SIG.	77 219 RET.	43 226 SIG.	5 220 RET.
212 221 SIG.	178 222 RET.	144 221 SIG.	112 224 RET.	78 225 SIG.	44 226 RET.	6 227 SIG.
213 221 RET.	179 229 SIG.	145 223 RET.	113 231 SIG.	79 225 RET.	45 233 SIG.	7 227 RET.
214 228 SIG.	180 229 RET.	146 230 SIG.	114 231 RET.	80 222 SIG.	46 231 RET.	8 234 SIG.
215 228 RET.	181 236 SIG.	147 230 RET.	115 238 SIG.	81 232 RET.	47 244 SIG.	9 234 RET.
216 235 SIG.	182 236 RET.	148 237 SIG.	116 238 RET.	82 242 SIG.	48 244 RET.	10 248
217 235 RET.	183 202 SIG.	149 237 RET.	117 204 SIG.	83 242 RET.	49 167	11 249
218 201 SIG.	184 202 RET.	150 205 SIG.	118 204 RET.	84 205 SIG.	50 157	12 209 SIG.
219 201 RET.	185 210 SIG.	151 205 RET.	119 101-166	85 205 RET.	51 168	13 209 RET.
220 208 SIG.	186 210 RET.	152 158	120	86 162	52 168	14 207 SIG.
221 208 RET.	187 250	153	121 165-200	87	53 179	15 207 RET.
222 161	188 160	154 139	122	88 103	54 104	16 105
223	189	155	123	89	55	17
224 162						18 106
225						19
226 162						20 107
227						21
228 164	190 111 SIG.	156 128 SIG.	123 109 SIG.	90 118 SIG.	56 118 SIG.	22 179
229	191 111 RET.	157 100 RET.	124 109 RET.	91 118 RET.	57 118 RET.	23 180
230 110 SIG.	192 122 SIG.	158 128 SIG.	125 132 SIG.	92 133 SIG.	58 119 SIG.	24 120 SIG.
231 110 RET.	193 122 RET.	159 124 RET.	126 132 RET.	93 133 RET.	59 119 RET.	25 120 RET.
232 122 SIG.	194 134 SIG.	160 135 SIG.	127 136 SIG.	94 137 SIG.	60 138 SIG.	26 121 SIG.
233 122 RET.	195 134 RET.	161 135 RET.	128 136 RET.	95 137 RET.	61 138 RET.	27 121 RET.
234	196	162	129	96 135	62 174	28 181 SIG.
235 116 SIG.	197 117 SIG.	163 114 SIG.	130	97 131 SIG.	63 177	29 141 RET.
236 116 RET.	198 117 RET.	164 114 RET.	131 115 SIG.	98 131 RET.	64 126 SIG.	30 127 SIG.
237 128 SIG.	199 129 SIG.	165 130 SIG.	132 139 SIG.	99 140 SIG.	65 126 RET.	31 127 RET.
238 128 RET.	200 129 RET.	166 130 RET.	133 139 RET.	100 140 RET.	66 140 SIG.	32 143 SIG.
239 144 SIG.	201 145 SIG.	167 146 SIG.	134 147 SIG.	101 148 SIG.	67 142 RET.	33 143 RET.
240 144 RET.	202 146 RET.	168 146 RET.	135 147 RET.	102 148 RET.	68 143 SIG.	34 150 SIG.
241 151 SIG.	203 151 RET.	169 153 SIG.	136 154 SIG.	103 153 SIG.	69 149 RET.	35 150 RET.
242 151 RET.	204 151 RET.	170 153 RET.	137 154 RET.	104 155 RET.	70 156 SIG.	36 157 SIG.
243	205 153 SIG.	171 153 SIG.	138 199 RET.	105 156 SIG.	71 156 RET.	37 157 RET.
244	206 153 RET.	172		106	72 156 RET.	38 157 T
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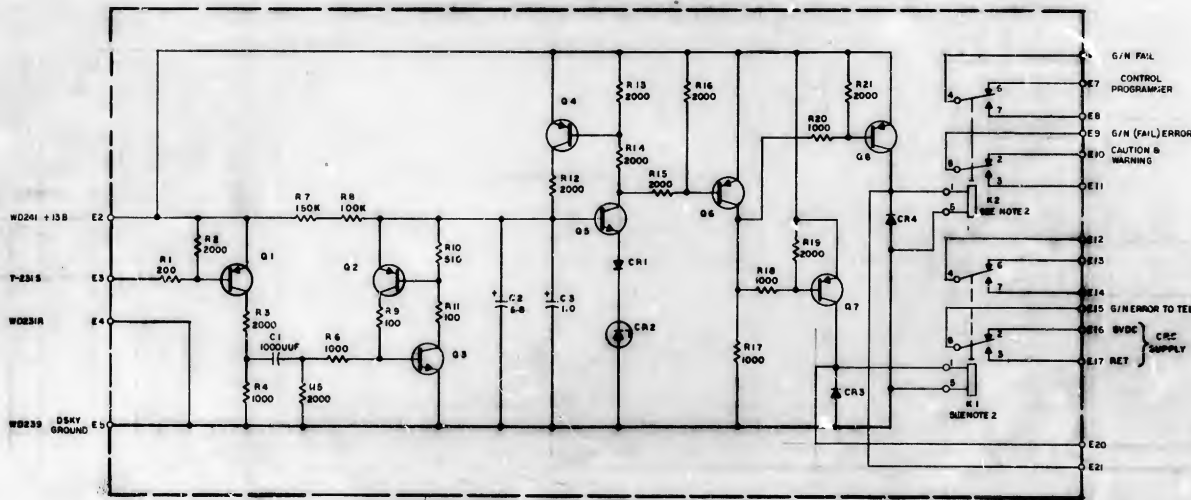
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2 NOT AVAILABLE FOR USE	40 243	74	108 241	140	174 249	208
3 211	41 219 S16	75 212	109 212 S16	141 213	175 215 S16	209 247
4 220 S16	42 219 RET	76 218 S16	110 217 RET	142 218 S16	176 215 RET	210 214 S16
5 220 RET	43 226 S16	77 218 RET	111 224 S16	143 216 RET	177 222 S16	211 214 RET
6 227 S16	44 226 RET	78 225 S16	112 224 RET	144 223 S16	178 222 RET	212 221 S16
7 227 RET	45 233 S16	79 225 RET	113 231 S16	145 223 RET	179 229 S16	213 221 RET
8 234 S16	46 233 RET	80 232 S16	114 231 RET	146 230 S16	180 229 RET	214 220 S16
9 234 RET	47 244 S16	81 232 RET	115 238 S16	147 230 RET	181 236 S16	215 228 RET
10 249	48 244 RET	82 242 S16	116 238 RET	148 237 S16	182 236 RET	216 235 S16
11 249	49 204 S16	83 242 RET	117 204 S16	149 237 RET	183 202 S16	217 235 RET
12	50 204 RET	84 205 S16	118 204 RET	150 203 S16	184 202 RET	218 201 S16
13	51 246 S16	85 205 RET	119 004	151 203 RET	185 210 S16	219 201 RET
14	52 246 RET	86 007	120 004	152 000	186 210 RET	220 208 S16
15	53	87 007	121 005	153 000	187 200	221 208 RET
16 58 S16	54 007	88 004	122 058	154 007	188	222
17	55 006	89 100		155	189	223
18 58 RET						224 1 S16
19						225 1 SHLD NC
20						226 1 RET
21						227
22	56 17 SHLD NC	90 12 S16	123 24 S16	156 14 SHLD NC	190 14 S16	228
23	57	91 17 RET	124 24 RET	157 24 SHLD NC	191 14 RET	229
24	58	92 26 S16	125 29 S16	158 15 SHLD NC	192 15 S16	230
25	59	93	126 25 RET	159 25 SHLD NC	193 15 RET	231
26	60	94 11 S16	127	160 16 SHLD NC	194 16 S16	232
27	61	95 11 RET	128 11 SHLD NC	161	195 16 RET	233
28 ERROR DETECT LIGHT	62 27DC SP CRAFT 128 RET	96 0000AL LOCK LIGHT	129	162	196	234
29 5/C LAMP TEST	63 100 TEMP LIGHT	97 0000IMPULSE - TAN	130	163 0000IMPULSE - PITCH	197 0000IMPULSE - PITCH	235
30	64	98 0000IMPULSE - TAN	131 0000IMPULSE - ROLL	164 0000IMPULSE - ROLL	198 0000IMPULSE PITCH	236
31 ROLL ERROR OFFSET LO	65	99 0000IMPULSE TOS SW	132 0000IMPULSE 00 RET	165 0000IMPULSE ROLL	199 COS 40G 1X 10(S1)	237
32 ROLL ERROR BOOT HI	66 ROLL ERROR OFFSET HI	100 0000IMPULSE ENABLE	133	166 SIN 40G 1X 10(S2)	200 COS 40G 1X 10(S1)	238
33 ROLL ERROR BOOT HI	67 ROLL ERROR SHLD	101 1/C WARM LIGHT	134 226 VDC SPACECRAFT	167 310 40G 1X 10(S4)	201 COS 40G 1X 10(S3)	239
34 TAN ERROR SHLD	68 TAN ERROR OFFSET HI	102 5/C CRUT LIGHT	135	168 510 40G 1X 10(S2)	202 COS 40G 1X 10(S1)	240
35 PITCH ERROR LO	69 TAN ERROR BOOT LO	103 COS 40G RELAY CONT	136 TAN MODE RELAY CONT	169 510 40G 1X 10(S4)	203 COS 41G 1X 10(S1)	241
36 PITCH ERROR HI	70 PITCH ERROR SHLD	104 FINE ALIGN RELAY CONT	137 NOT AVAILABLE FOR USE	170 510 41G 1X 10(S2)	204 COS 41G 1X 10(S3)	242 TAN 28V 000CPS LO
37	71 NOT AVAILABLE FOR USE	105	138	171 510 41G 1X 10(S4)	205 NOT AVAILABLE FOR USE	243 TAN 28V 000CPS HI
38 NOT AVAILABLE FOR USE	72	106 NOT AVAILABLE FOR USE	139	172 NOT AVAILABLE FOR USE	206	244 NOT AVAILABLE FOR USE

MALE RECEPTACLE
CONTACT SIDE
NORMAL POLARIZATION

NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327

		QTY REQD		PART QTY IDENTIFYING NO.		SIGNATURE OR DESCRIPTION		P/N	
						LIST OF MATERIALS			
		WTR INSTRUMENTATION LAB COLUMBIA MISS CONTRACT NO.				MANNED SPACECRAFT CENTER HOUSTON TEXAS			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ± ±				DRAWN BY <u>J. H. [Signature]</u> CHECKED BY <u>[Signature]</u>			
1005707		DO NOT SCALE THIS DRAWING UNITS: IAL				APPROVAL <u>[Signature]</u> SIGNAL PIN ASSIGNMENT O5A5P3 CONNECTOR (G&N TO C/A)			
NEXT ASSY USED ON		WHAT TREATMENT				INSA APPROVAL <u>[Signature]</u> DATE <u>10-23-64</u>		CODE IDENT. NO. D	
APPLICATION		FINAL PUNCH				MFT APPROVAL <u>[Signature]</u>		INSA DIVISION NO. 1005717	
						SER. APPROVAL <u>[Signature]</u>		SCALE NONE DT	
								SHEET 1 OF 1	



G/N FAIL
CONTROL
PROGRAMMER
G/N (FAIL) ERROR
CAUTION &
WARNING

SD430C
WD430
WD430HC
SD451NO
WD406C
WD451NC

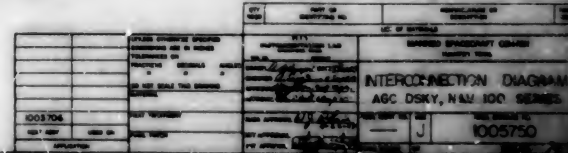
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R3	-39	2000			
R4	-39	1000			
R5	-39	2000			
R6	-39	1000			
R7	-39	1000			
R8	-39	1000			
R9	-39	1000			
R10	-39	1000			
R11	-39	1000			
R12	-39	1000			
R13	-39	1000			
R14	-39	1000			
R15	-39	1000			
R16	1006780-15	RESISTOR	200	±2%	1/4 W
R17	1006780-15	RESISTOR	200	±2%	1/4 W
R18	1006780-15	RESISTOR	200	±2%	1/4 W
R19	-39	1000			
R20	-39	1000			
R21	1006780-15	RESISTOR	200	±2%	1/4 W
C1	1006780-15	CAPACITOR	2000UF	±2%	250VDC
C2	1006780-15	CAPACITOR	2000UF	±2%	250VDC
C3	1006780-15	CAPACITOR	2000UF	±2%	250VDC
CR1	1006780-15	DIODE			
CR2	1006780-15	DIODE			
CR3	1006780-15	DIODE			
CR4	1006780-15	DIODE			
Q1	1006780-15	TRANSISTOR			
Q2	1006780-15	TRANSISTOR			
Q3	1006780-15	TRANSISTOR			
Q4	1006780-15	TRANSISTOR			
Q5	1006780-15	TRANSISTOR			
Q6	1006780-15	TRANSISTOR			
Q7	1006780-15	TRANSISTOR			
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RE1	1006780-15	RELAY			
RE2	1006780-15	RELAY			

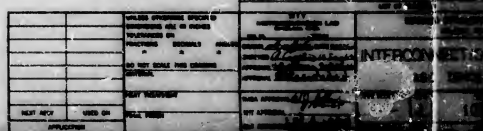
NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. RELAY SHOWN IN THE POSITION THAT INDICATE FAIL (DEENERGIZED)

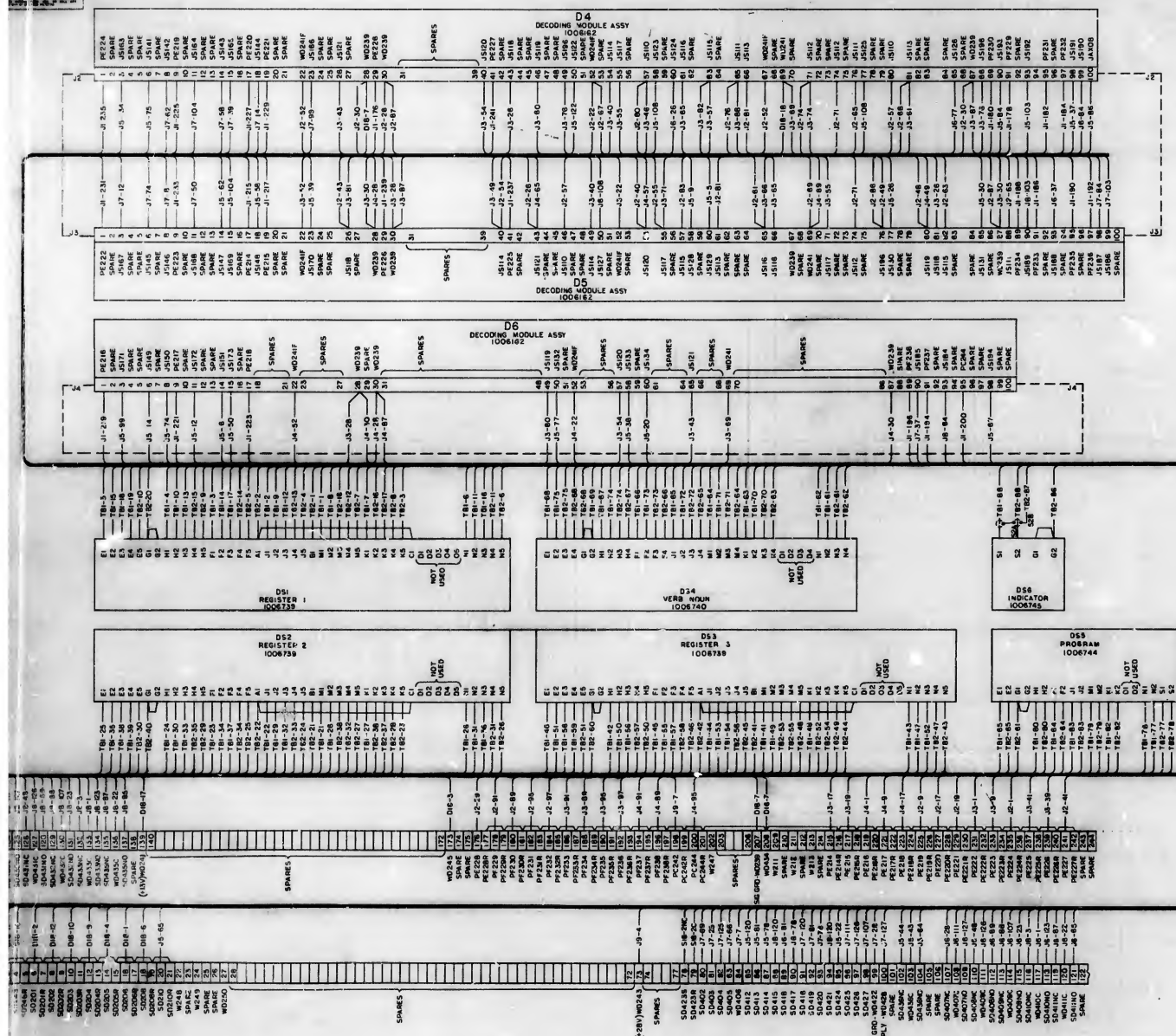
REF DES:
G & N FAILURE DETECT ASSY
Dwg - NO. 1005730

DATE	REV	BY	CHK	APP	DATE	REV	BY	CHK	APP
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70	017-3	E70	017-3	E70	017-3	E70	017-3	E70	017-3
71	017-3	E71	017-3	E71	017-3	E71	017-3	E71	017-3
72	017-3	E72	017-3	E72	017-3	E72	017-3	E72	017-3
73	017-3	E73	017-3	E73	017-3	E73	017-3	E73	017-3
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76	017-3	E76	017-3	E76	017-3	E76	017-3	E76	017-3
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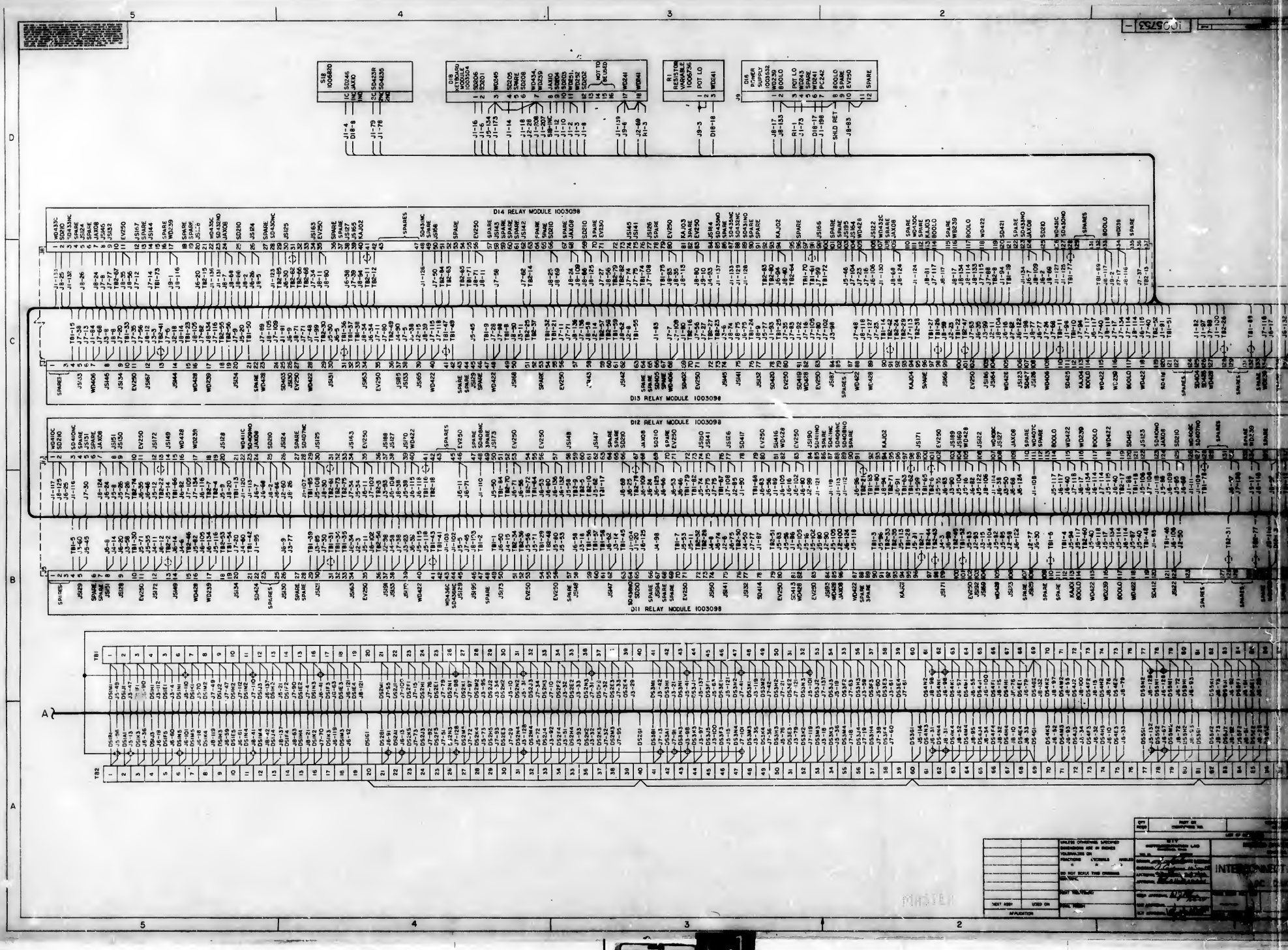


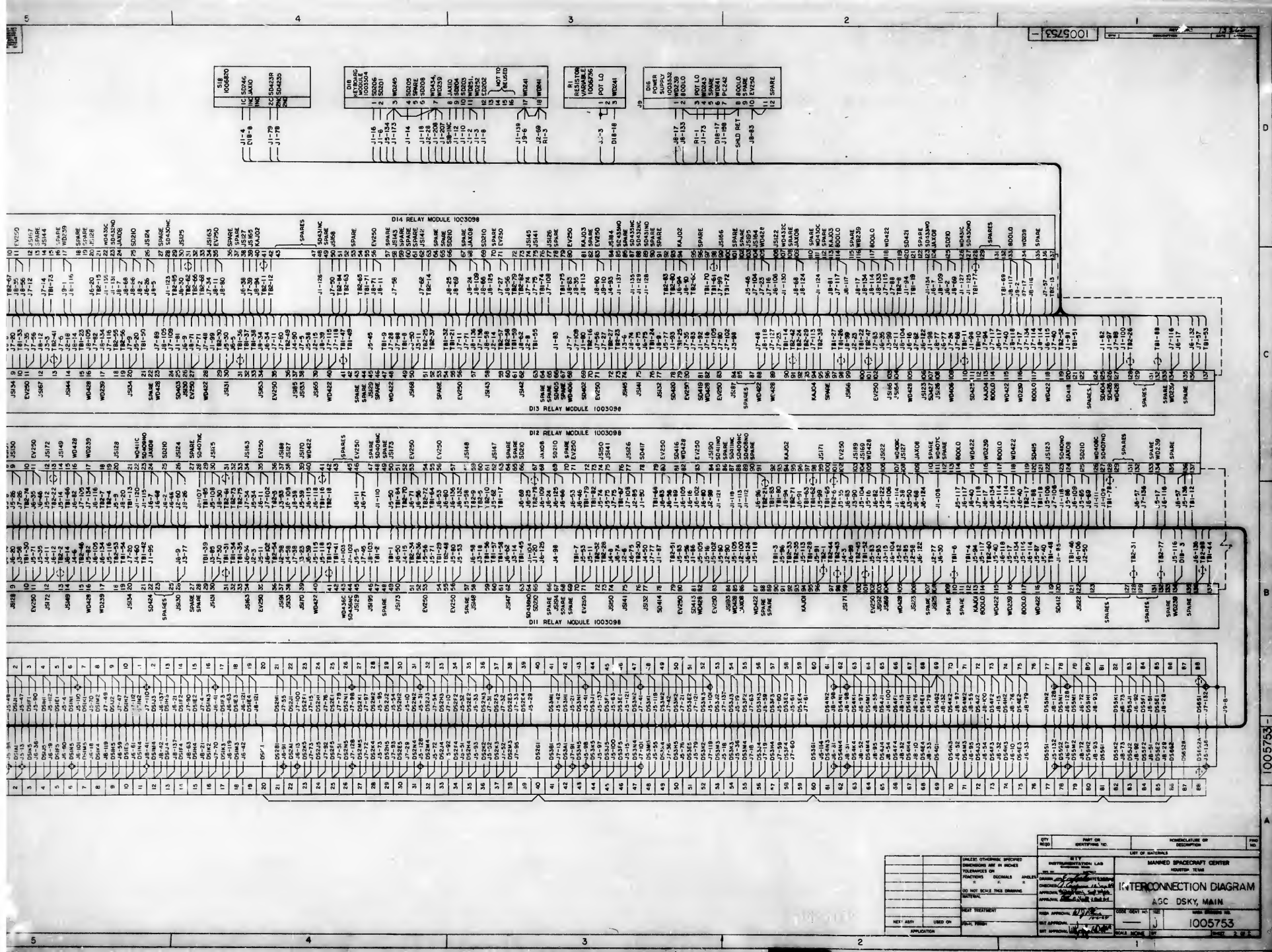
NOTES

1. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. PREFIX THE DESIGNATION WITH UNIT NUMBER OR ASSEMBLY DESIGNATION OR BOTH
2. INTERPRET DRAWING IN ACCORDANCE WITH STANDARD PRESCRIBED BY MIL-D-70327

REFERENCES:
1003707 MAIN DSKY ASSY

CITY NAME		PART OF DISTRICTS NO.		SUBSTATION OR DISSEMINATION		FILE NO.	
		PART OF DISTRICTS NO.		LIST OF SIGNALS			
STREET OR OTHER LOCATION SIGNATURE AND IN POWER PLANNED IN FUNCTIONS DETAILS ANALYSIS				INTERCONNECTION DIAGRAM AGC DSKY, MAIN			
DO NOT SCALE THIS DRAWING SCALE: _____ DATE: _____				INTERCONNECTION DIAGRAM AGC DSKY, MAIN			
NEXT PAGE USED ON PAGE TOTAL				DATE APPROVED: _____ BY: _____ CHECKED BY: _____ J 1005753			
REVISIONS				1005753			

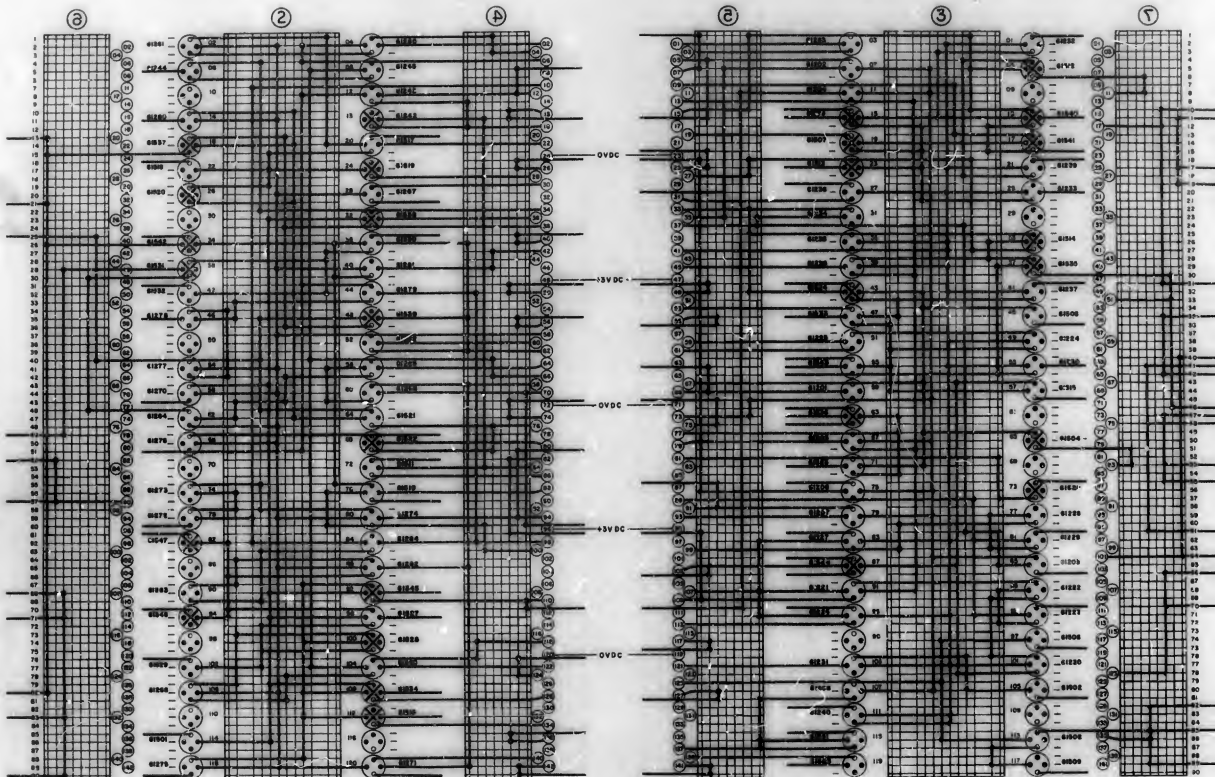




MIT		MANNED SPACECRAFT	
INSTRUMENTATION LAB		NOVEMBER TEST	
(APPROVED) WASSO			
CHIEF: <i>W. J. ...</i>	IN CHARGE: <i>W. J. ...</i>	S. ...	
CHIEVED: <i>W. J. ...</i>	IN CHARGE: <i>W. J. ...</i>	RELAY ROOM: <i>W. J. ...</i>	
APPROVED: <i>W. J. ...</i>	IN CHARGE: <i>W. J. ...</i>	AGC: <i>W. J. ...</i>	
APPROVED: <i>W. J. ...</i>	IN CHARGE: <i>W. J. ...</i>		
APPROVED MIT: <i>W. J. ...</i>	CHIEF: <i>W. J. ...</i>	80230	J
APPROVED: <i>W. J. ...</i>	IN CHARGE: <i>W. J. ...</i>		100

NO	IDENTIFYING NO	MATERIAL OR NOTES	NUMERICAL OR DESCRIPTION	NO
LIST OF MATERIALS				
MIT CRYSTALLIZATION LAB CAMBRIDGE, MASS		MANITO SPACECRAFT CENTER HUNTER, TEXAS		
DRAWN <i>AGC</i> APPROVED <i>Edwards</i> APPROVED <i>Edwards</i> APPROVED <i>Edwards</i>		SCHEMATIC RELAY MODULE ASSEMBLY 07-D14 AGC DSKY NAV 8 MAIN		
APPROVED BY MIT	DATE 7/6	NO. IDENT NO 80C330	DRAWING NO 1005780	
OFFICIAL NAME	DATE	SCALE	PART 1 OF 1	

1

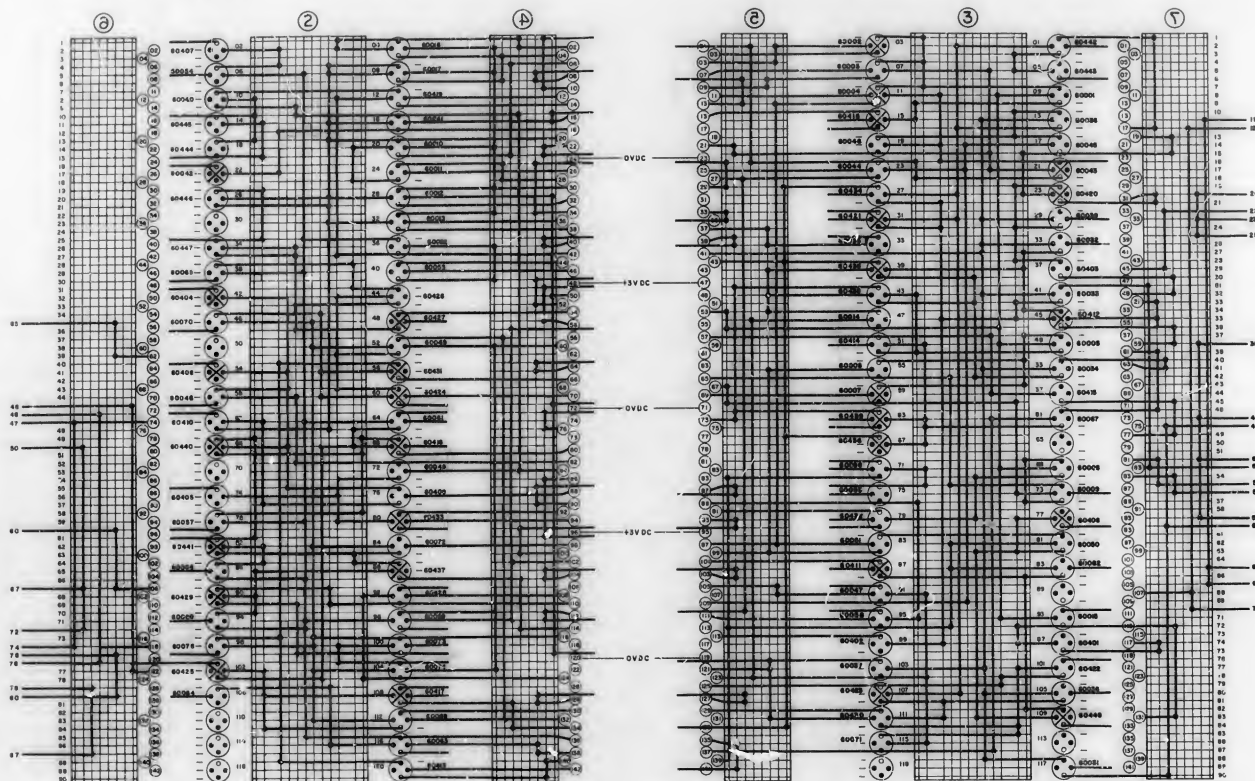


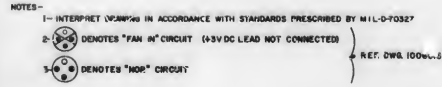
- NOTES-
- 1- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70527
 - 2- DENOTES "PAN IN" CIRCUIT (+3VDC LEAD NOT CONNECTED)
 - 3- DENOTES "NON" CIRCUIT

REF. DWE 1006013

REF. DWE
LOGIC FLOW DIAGRAM 1006595

QTY 200	PART OR IDENTIFIED NO.	DESCRIPTION OR IDENTIFICATION	FIG. NO.
LIST OF MATERIALS			
MANNED SPACECRAFT CENTER HOUSTON, TEXAS			
SIGNAL WIRING DIAGRAM LOGIC MODULE NO. A24			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS DO NOT SCALE THIS DRAWING DATE: 4-31-67 SEE NOTE 5		APPROVAL BY: <i>[Signature]</i> DATE: 4-31-67 E 1006135	
TEST KIT	USED ON	DATE	SCALE 5/1
APPLICATION			

[illegible]



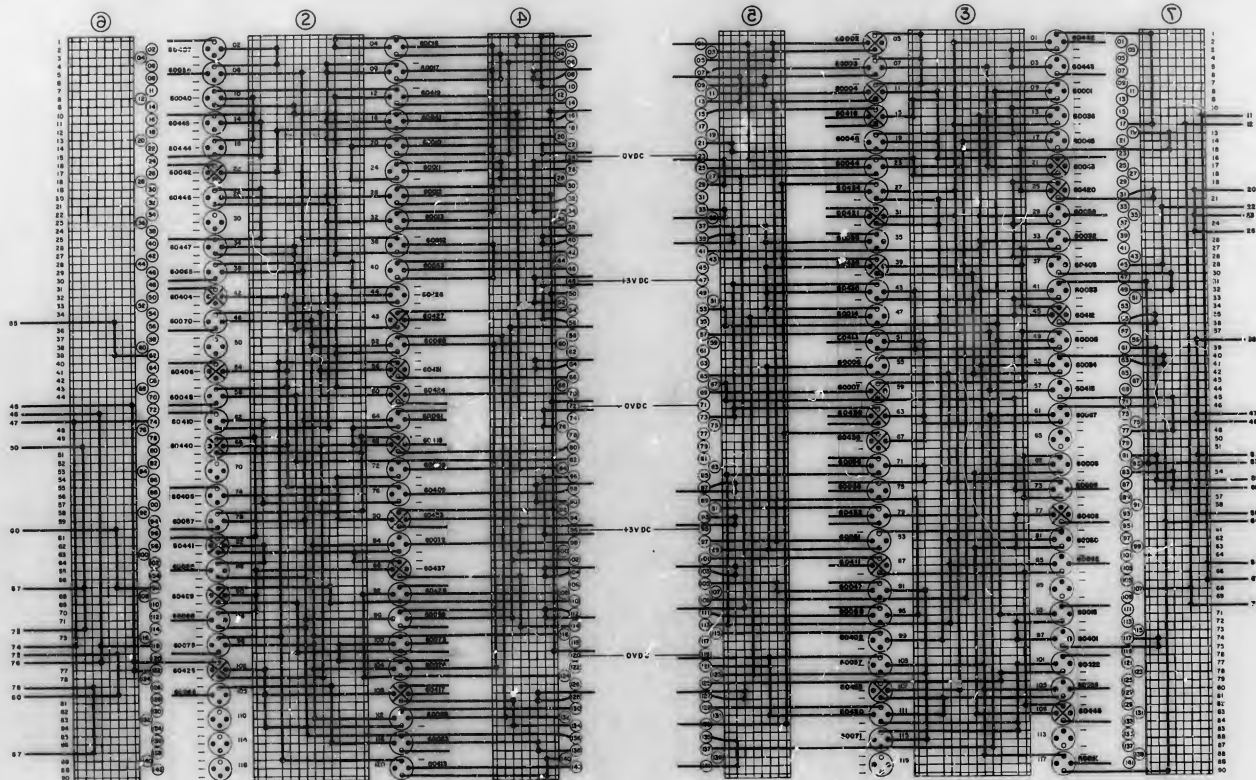
QTY REQD		PART DESCRIPTION NO		UNIT OF MEASUREMENT		NAME/LOCATION OF DISCONTINUITY		PAGE NO.	
ALL OTHERS SPECIFIED DIMENSIONS: 1/2 IN. INCHES FINISHES: 1/2 IN. INCHES FRANCHES: 1/2 IN. INCHES DO NOT REUSE THIS DRAWING MATERIALS				SEE INTERSECTION WITH LAW (Handwritten: 1/2 IN. INCHES)		MANNED SPACECRAFT ROUTING PLANS			
NOTE 3 HEAT TREATMENT USED ON APPLICATION				HEAT APPROVAL (Handwritten: 1/2 IN. INCHES)		SIGNAL WIRING DIAGRAM LOGIC MODULE NO. A21			
NEXT DATE		FINAL DATE		CROSS IDENT NO.		E		1006136	
REV. 2/1		REV. 2/1		REV. 2/1		REV. 2/1		REV. 2/1	

CIRCUIT NUMBER
POSITION NUMBER

POSITION NUMBER
CIRCUIT NUMBER

CIRCUIT NUMBER
POSITION NUMBER

POSITION NUMBER
CIRCUIT NUMBER



NOTES—
1—INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-STD-2027

2— DENOTES "FAN IN" CIRCUIT (13VDC LEAD NOT CONNECTED)

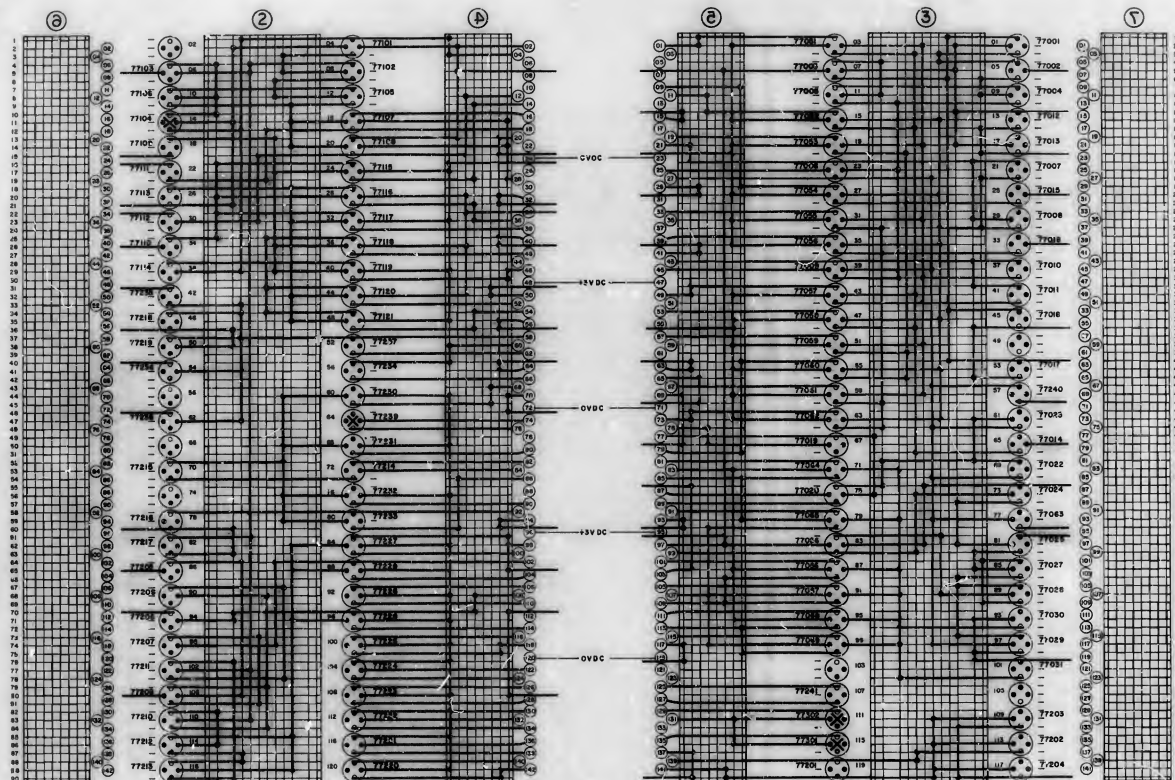
3— DENOTES "HORN" CIRCUIT

REF. DWA 1006013

REF. DWA
LOGIC FLOW DIAGRAM 1006556


CITY MEMO		PART OR IDENTIFYING NO.		NOMENCLATURE OF DESCRIPTION		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES CHECKED BY <i>[Signature]</i> DO NOT SCALE THIS DRAWING DATE FILED SEE NOTE 5 NEXT APPROVAL <i>[Signature]</i> NEXT APPROVAL <i>[Signature]</i>		INSTRUMENTATION LAB CHARTERED CHECKED BY <i>[Signature]</i> APPROVED BY <i>[Signature]</i> DATE FILED NEXT APPROVAL <i>[Signature]</i>		BANNING SPACECRAFT CENTER HOUSTON, TEXAS SIGNAL WIRING DIAGRAM LOGIC MODULE NO. A21 DRAWING NO. 1006136 SCALE 2/1		E 1006136 10/1	

POSITION	NUMBER
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6	6
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NOTES -

1- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327

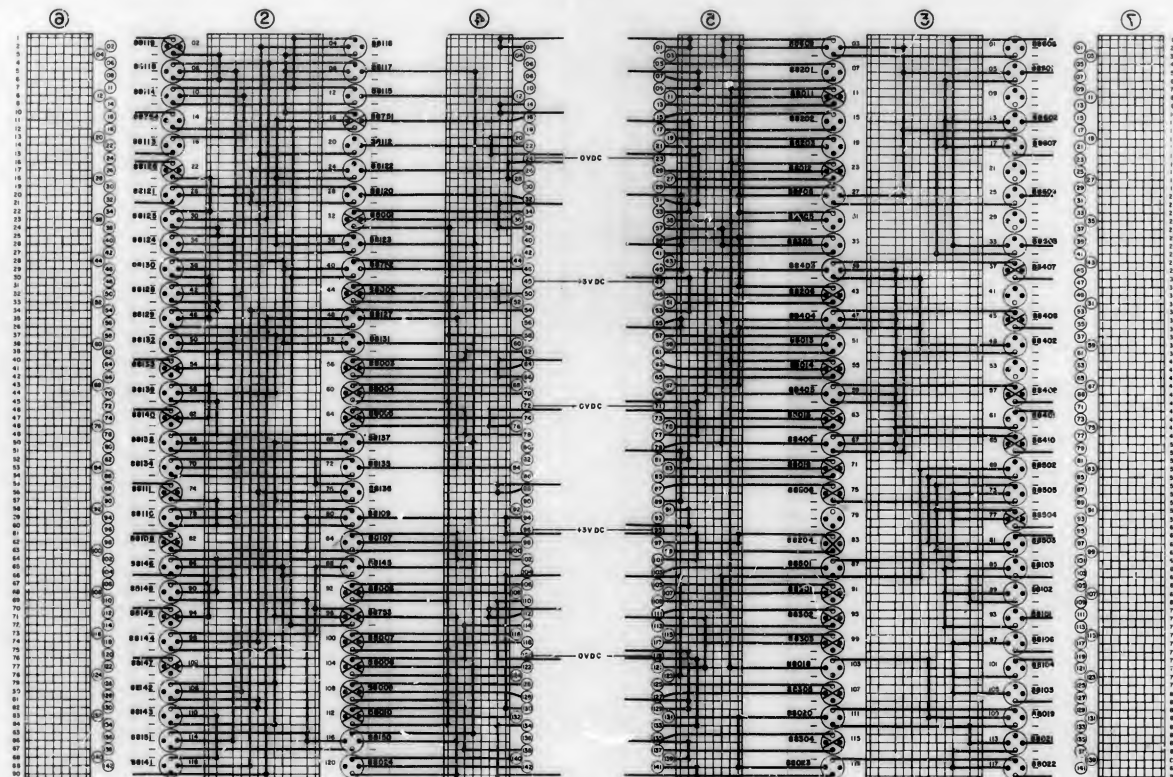
B-  DENOTES "FAN IN" CIRCUIT (+3V DC LEAD NOT CONNECTED)

RZF. DWG. 1006013

3- DENOTES "NON" CIRCUIT

REF DWG
LLCGIC FLOW DIAGRAM ID06557

QTY REQD		PART OR IDENTIFYING NO		NOMENCLATURE OR Q3 DESCRIPTION		P/N NO	
				LIST OF MATERIALS			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMAL INCHES UNLESS OTHERWISE SPECIFIED DO NOT SCALE THIS DRAWING. MATERIAL <u>ALUMINUM</u>				INST. INSTRUMENTATION LAB DRAWN BY <u>E. J. BROWN</u> DATE <u>11/14/68</u> CHECKED BY <u>W. J. BROWN</u> DATE <u>11/14/68</u> APPROVED BY <u>W. J. BROWN</u> DATE <u>11/14/68</u> REVISIONS <u>1</u>			
				MANPED SPACECRAFT CENTER HOUSTON, TEXAS SIGNAL WIRING DIAGRAM LOGIC MODULE NO. A 36			
NEXT ASSEMBLY USED ON		FINAL FINISH		WORK APPROVAL		CODE NO. <u>1</u> SIZ. <u>1/8"</u> ASSY. TYPE/NO. <u>NO</u> 1006137	
APPLICATION		MKT. APPROVAL BY <u>W. J. BROWN</u>		SCALE <u>2 1/2"</u>		SHEET <u>1</u> OF <u>1</u> WT.	



REF DWG
LOGIC FLOW DIAGRAM 100-653

[illegible]

CIRCUIT NUMBER

POSITION NUMBER

CIRCUIT NUMBER

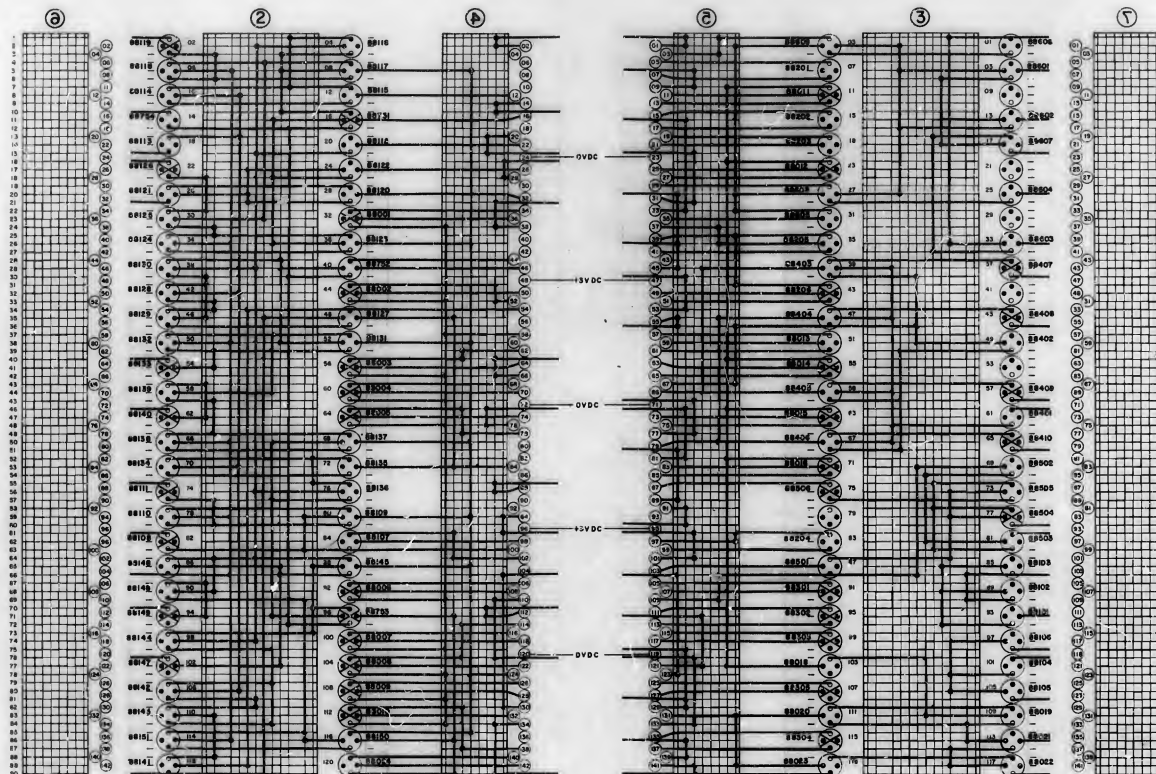
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CIRCUIT NUMBER

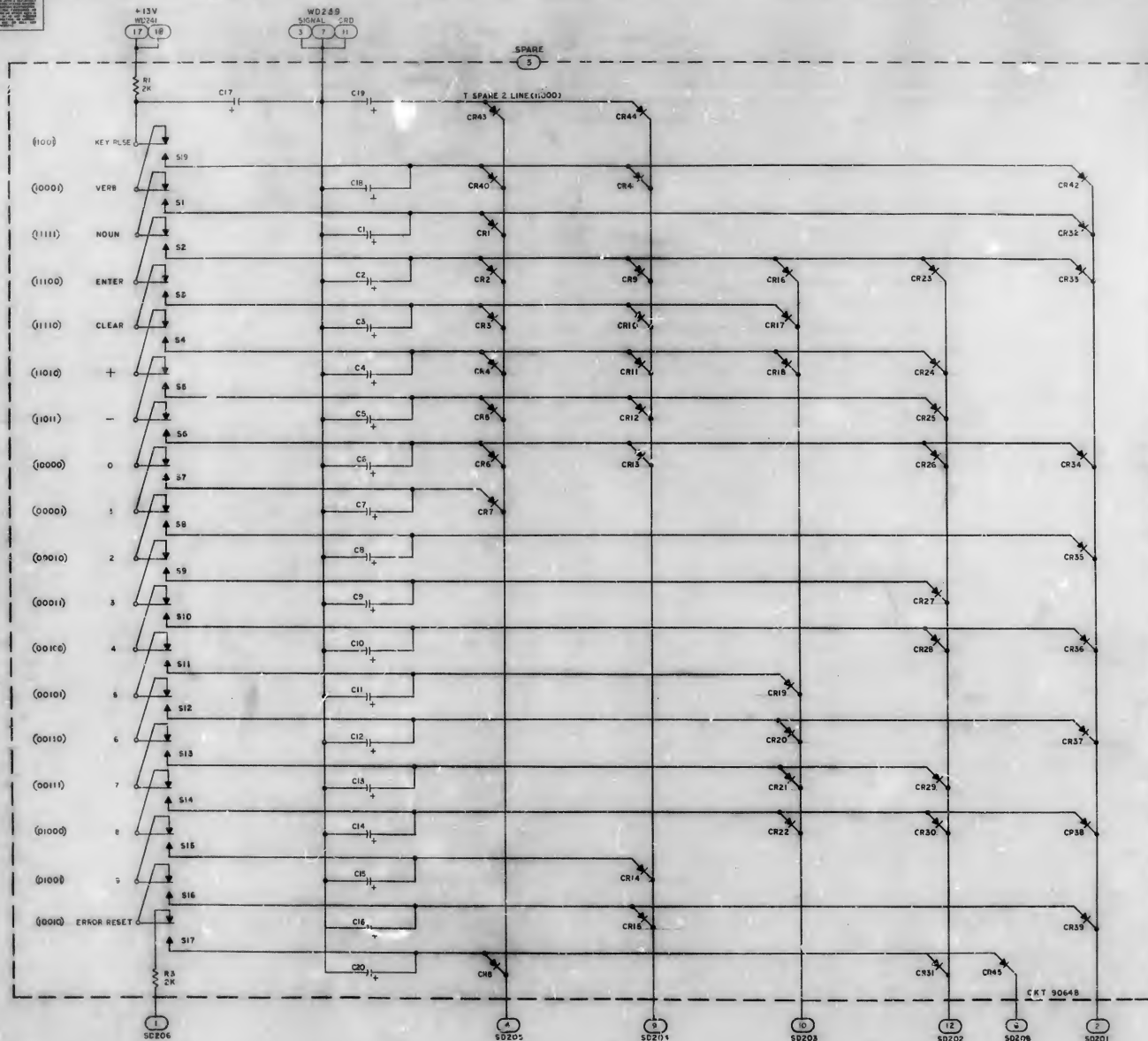
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CIRCUIT NUMBER

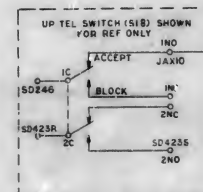
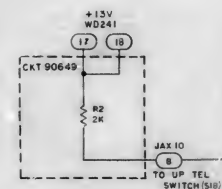
POSITION NUMBER



NOTES - 1- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-STD-883C



REF	PART NO.	DESCRIPTION	VALUE	TOL	RATING
CR1-CR45	1006751	DIODE			
R1-S17	1006861	SWITCH, PUSH			
C17	1006755-25	CAPACITOR, FIXED	5.0MFD	50%	35 V
R1-R3	1006750-38	RESISTOR, FIXED	2K	5%	1/4 W
C1-C16, CR46-CR47	1006755-57	CAPACITOR, FIXED	0.1MFD	50%	35 V



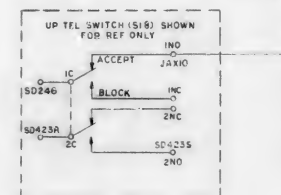
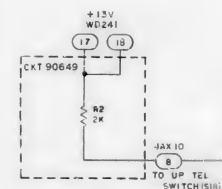
NOTES
1. INTERPRET DRAWING IN ACCORDANCE WITH
STANDARDS PRESCRIBED BY MIL-D-70327

REFERENCES
1. ASSEMBLY DRAWING 1003539

QTY	UNIT OR	NONRECURRING OR	UNIT
200	DISCRETE NO	INDICATION	NO
LIST OF MATERIALS			
MANNED SPACECRAFT CENTER			
KEYBOARD MODULE DIS			
SCHEMATIC			
AGC DSKY MAIN			
1006150			
E			
1006150			



REF DESIGNATION	PART NO.	DESCRIPTION	VALUE	TOL	RATING
C1-C45	006751	DIODE			
S1-S17,59	006821	SWITCH, PUSH			
C17	006755-79	CAPACITOR, FIXED	680P	10%	35V
R1-R2	006750-38	RESISTOR, FIXED FILM	2K	2%	1/4W
C1-C16, C18, C19	006755-57	CAPACITOR, FIXED	0.1UF	10%	35V
R3	006750-15	RESISTOR, FIXED FILM	200	2%	1/4W



NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH
STANDARDS PRESCRIBED BY MIL-D-70327

REFERENCES

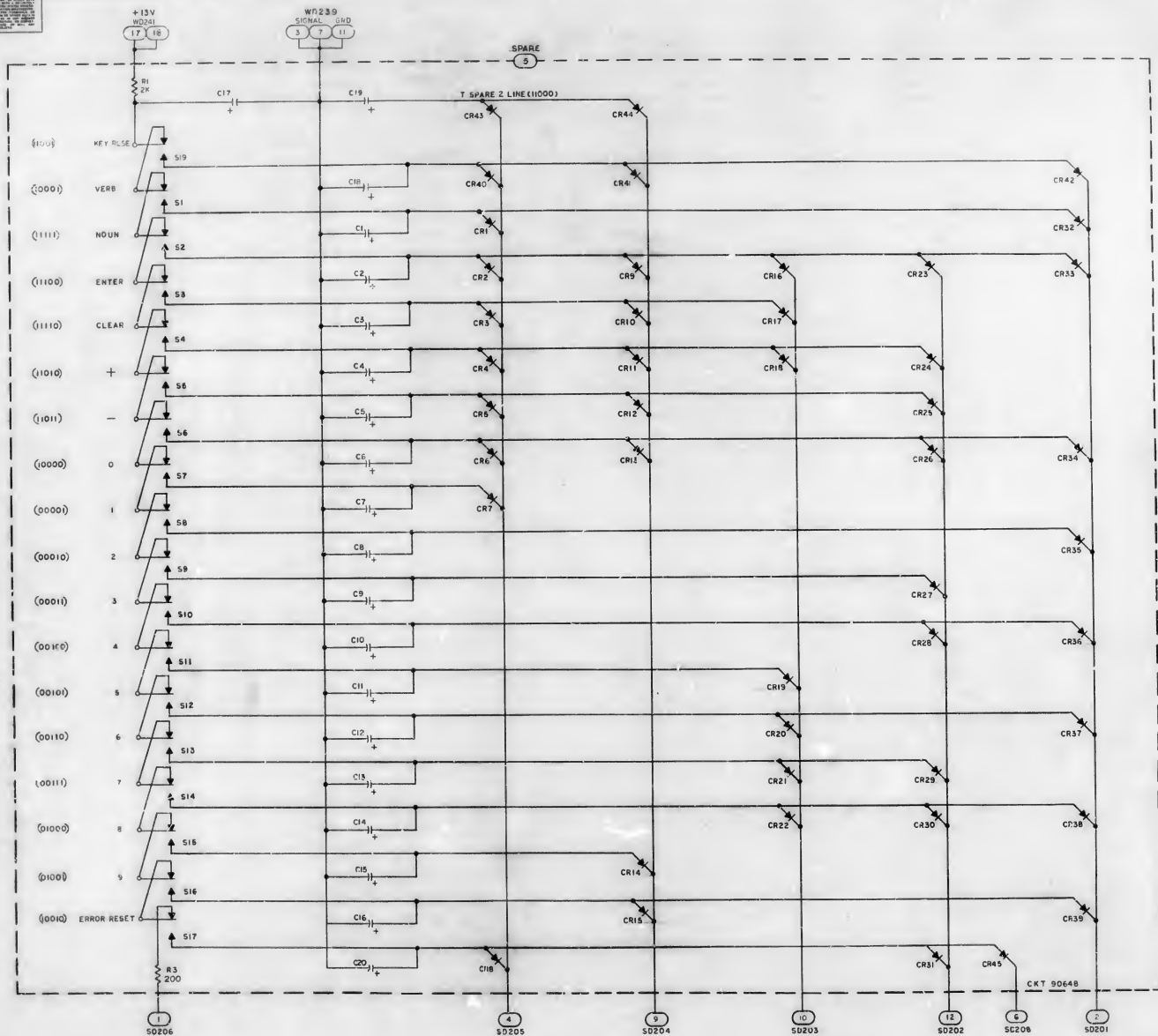
1. ASSEMBLY DRAWING 1003539

DTIC REPORT NUMBER		PART OF IDENTIFYING NO.		NONCLASSIFICATION OR DECLASSIFICATION		(A)	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS ANGLES		MAT IDENTIFICATION LAB		LIST OF MATERIALS MAINTAINED NAUTICRAFT CENTER			
DO NOT SCALE THIS DRAWING MATERIAL		CHECKED BY <i>W. J. [Signature]</i> APPROVED BY <i>C. L. [Signature]</i> APPROVED BY <i>C. L. [Signature]</i>		SCHEMATIC KEYBOARD MODEL D18 AFG DSKY, MAIN			
NEXT TREATMENT		PART APPROVAL		CODE IDENT NO.		1006150	
NEXT ASST USED ON		SET APPROVAL		SET		E	
APPLICATION		SET APPROVAL		SCALE NONE		(SHEET 1)	

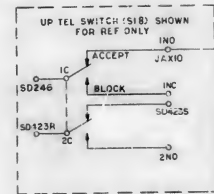
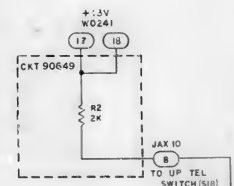
1008150

0919001

REV	DESCRIPTION	DATE	BY	CHKD
A	REVISED PER TORR 05/28/64	5/28/64	WJL	WJL
B	REVISED PER TORR 05/28/64	5/28/64	WJL	WJL
C	REVISED PER TORR 06/05/64	6/5/64	WJL	WJL



REF DESIGNATION	PART NO.	DESCRIPTION	VALUE	TOL.	MARKING
CR1-CR45	906751	RELAY			
S1-S17	906751	SWITCH-BUSH			
C17	906753-79	CAPACITOR, FILM	0.01UF 50V	±5%	
R1-R2	906750-38	RESISTOR, FILM	2K 1/4W	±5%	
C1-C16	906754-51	CAPACITOR, FILM	0.1UF 50V	±5%	
R3	906750-15	RESISTOR, FILM	200 2W 1/4W	±5%	

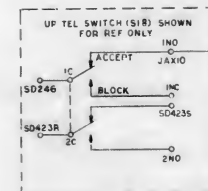
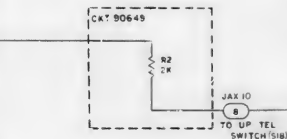


NOTES
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327

REFERENCES
1. ASSEMBLY DRAWING 1003559

QTY	REV	DATE	DESCRIPTION	BY	CHKD
LIST OF MATERIALS					
MANNED SPACECRAFT CENTER HOUSTON, TEXAS					
SCHEMATIC KEYBOARD MODULE D18 AGC DSKY, MAIN					
1006150					
PAGE 1 OF 1					

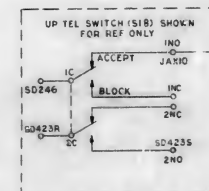
REF	DESIGNATION	PART NO.	DESCRIPTION	VALUE	TOL RATING
CR1-CR45	1006751	2	DIODE		
SI-517	1006751	2	SWITCH PUSH		
C17	1006753	2	CAPACITOR FILM	500K 100V	50
R1-R2	1006750	3	RESISTOR FIXED FILM	2K 1/4W	50
C1-C16	1006753	2	CAPACITOR FILM	500K 100V	50
R3-R11	1006750	3	RESISTOR FIXED FILM	2K 1/4W	50
R4	1006750	3	RESISTOR FIXED FILM	10K 2 1/2W	50
R5	1006750	3	RESISTOR FIXED FILM	500K 1/4W	50
Q1	1006752	1	TRANSISTOR SILICON TYPE NPN		
L1	100406	1	COIL RF CMOE	42M	100
C21	1006772	2	CAPACITOR CERAMIC	100K 100V	100



NOTES
 1. INTERPRET DRAWING IN ACCORDANCE WITH
 STANDARDS PRESCRIBED BY MIL-D-10327
 2. SWITCH 1006751 USED IN ASSEMBLY 1003559
 SWITCH 1006753 USED IN ASSEMBLY 1003549

REFERENCES
 1. ASSEMBLY DRAWING 1003559
 2. ASSEMBLY DRAWING 1003549

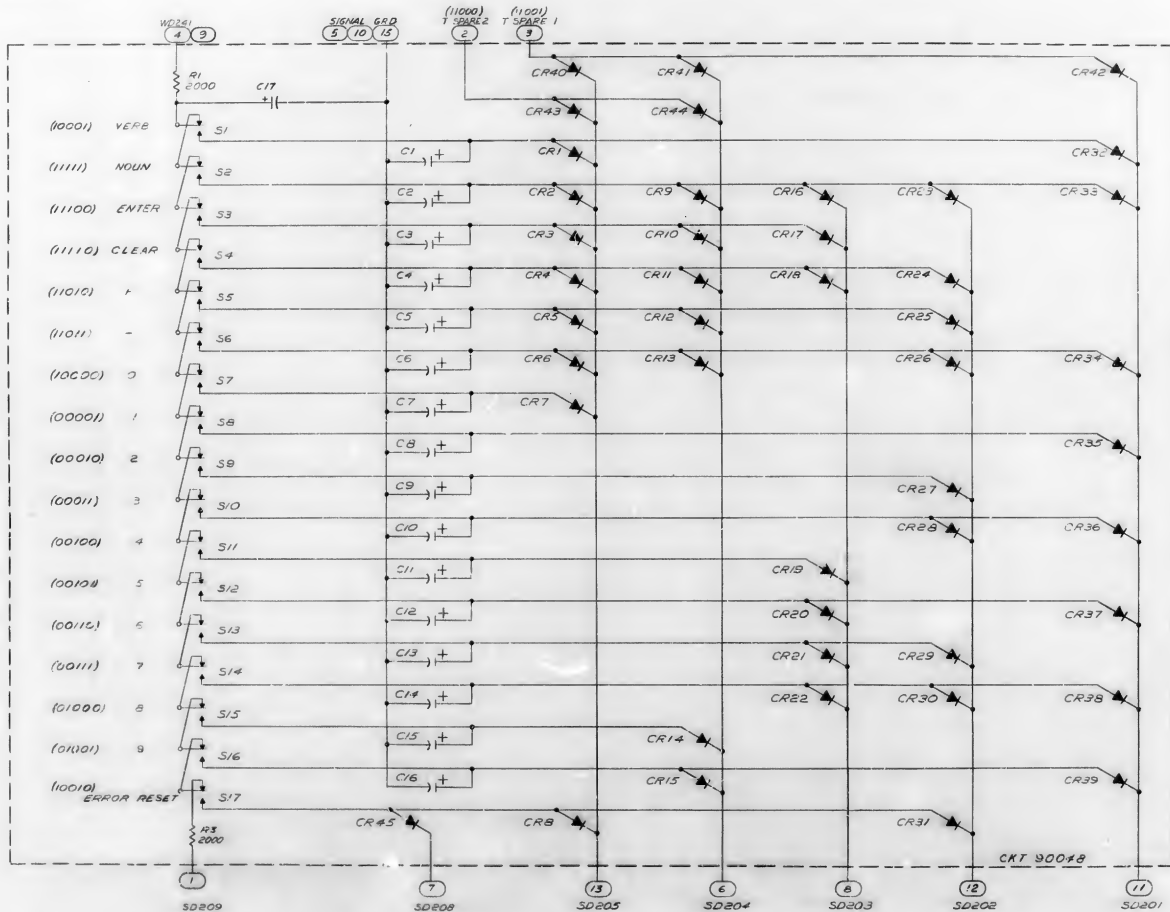
QTY REQD	PART OR IDENTIFYING NO	NAME/NOTATION OR DESCRIPTION	UNIT NO
LIST OF MATERIALS			
MANNED SP-2CRAFT CENTER KEYBOARD MODULE D18 AGC DSKY, MAIN			
SCHEMATIC 1006150			
SHEET 1 OF 1			



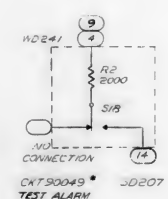
		QTY REQD		PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION		FA NO.	
						UNIT OF MEASUREMENT			
INSETS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES " " " DO NOT SCALE THIS DRAWING MATERIAL						MATERIAL INSTRUMENTATION LAB		MARKED SPACECRAFT CENTER HOUSTON TEXAS	
						DRAWN BY <u>J. JONES</u> DATE <u>08-09-66</u>		SCHEMATIC	
						CHECKED BY <u>P. ROSE</u>		KEYBOARD MODULE D-18	
						APPROVED BY <u>E. C. HAIN</u>		ACC SCG	
						DATE <u>08-10-66</u>			
BEST TREATMENT		DATA APPROX. <u>100000</u>		CORE IDENT NO.	SERIAL NUMBER'S NO.				
NEXT BEST USED ON		BIT AP PROVAL		E	1006150				
APPLICATION		NOT APPROVED BY <u>100000</u>		SCALE NAME	DRAWN BY				

6
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 3
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 1

REV	DESCRIPTION	DATE	APPROVED
1	CHANGED PER TOP 0.3V 5V	8-6-64	W-2



REF DESIGNATION	QTY	DESCRIPTION	VALUE	TOL	RATING
CR1-CR45	1006751	DIODE			
S1-S17	1006821	SWITCH			
C17	1006755-75	CAPACITOR	0.001	10%	35V
R1-R3	1006750-39	RESISTOR	5000	5%	1/4W
C1-C16	1006755-57	CAPACITOR	0.1UF	10%	35V

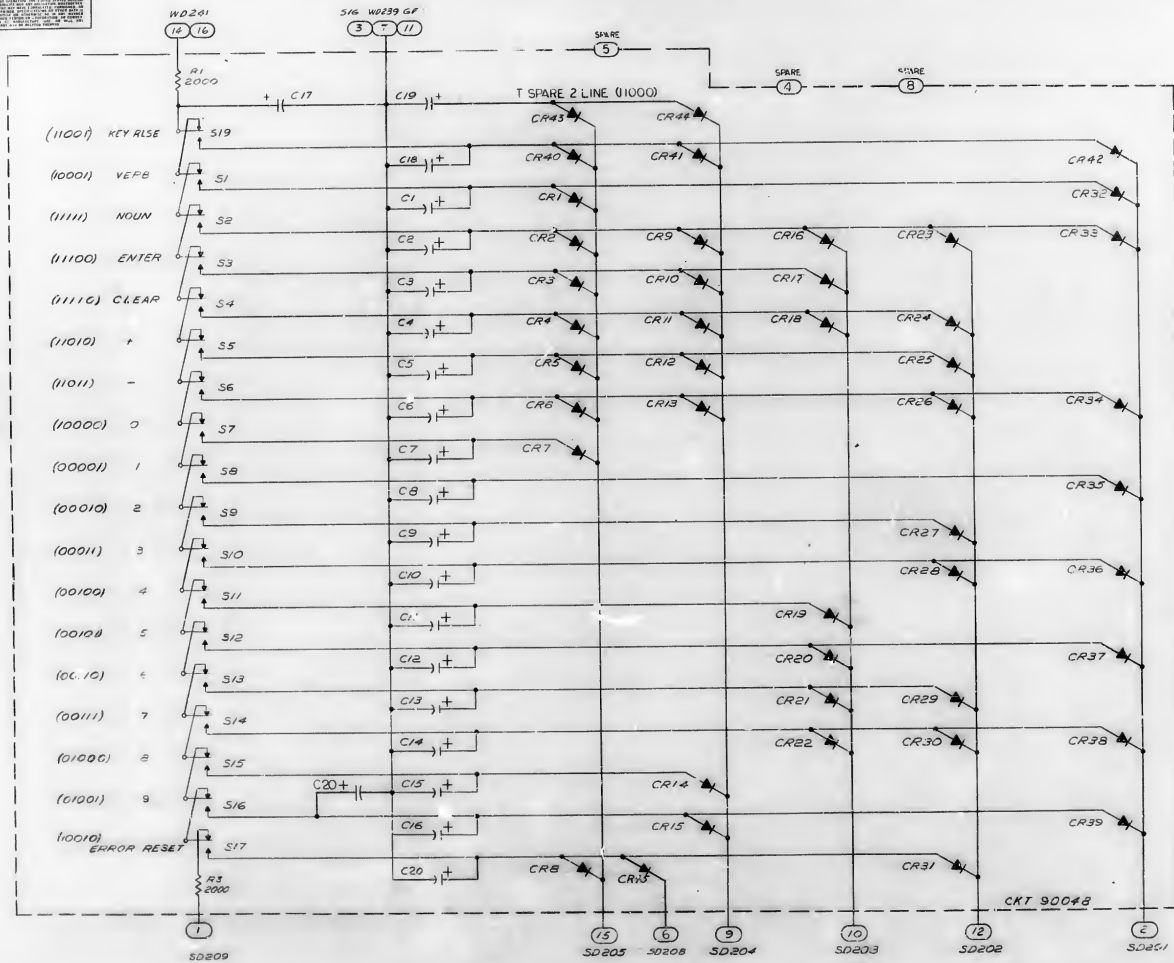


REFERENCES
 1. ASSEMBLY DRAWING 1003097 NAV DSKY

QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	1 AND NO
INSTRUMENTATION LAB DRAWN BY: [Signature] CHECKED BY: [Signature] APPROVAL: [Signature] MATERIAL: [Signature] TEST APPROVAL: [Signature] DATE: 8-6-64		MAPPED SPACECRAFT CENTER HOUSTON TEXAS SCHEMATIC KEYBOARD MODULE D:7 (ACC KEYBOARD) COO SENT AD: [Signature] DATE: 8-6-64 SCALE: NONE SHEET: 1 OF 1	

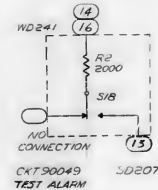


THIS DRAWING IS THE PROPERTY OF THE U.S. AIR FORCE. IT IS TO BE KEPT IN THE ORIGINAL FILE OF THE PROJECT. IT IS TO BE REPRODUCED IN WHOLE OR IN PART ONLY BY AUTHORITY OF THE U.S. AIR FORCE. IT IS TO BE DESTROYED WHEN NO LONGER REQUIRED FOR THE PROJECT. IT IS TO BE KEPT IN THE ORIGINAL FILE OF THE PROJECT. IT IS TO BE REPRODUCED IN WHOLE OR IN PART ONLY BY AUTHORITY OF THE U.S. AIR FORCE. IT IS TO BE DESTROYED WHEN NO LONGER REQUIRED FOR THE PROJECT.



REVISIONS		
NO	DESCRIPTION	DATE APPROVED
A	CHANGED PER TDR 23458	10/1/58
B	REVISED PER TDR 23458	10/1/58
C	REVISED PER TDR 23458	10/1/58
D	REVISED PER TDR 23458	10/1/58

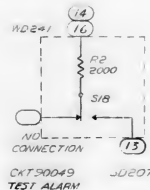
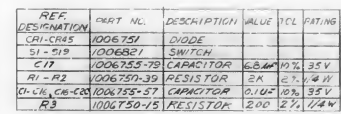
REF DESIGNATION	PART NO.	DESCRIPTION	VALUE	TOL	RATING
CR1-CR45	1006751	DIODE			
S1-S17	1006821	SWITCH			
C17	1006755-79	CAPACITOR	0.001	10%	35V
R1-R3	1006750-39	RESISTOR	2K	2%	1/4W
C1, C6, C8-C10	1006755-57	CAPACITOR	0.1UF	10%	35V



REFERENCES
1. ASSEMBLY DRAWING 100309T NAV DSKY

QTY	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	UNIT
LIST OF MATERIALS			
MANNED SPACECRAFT CENTER HOUSTON TEXAS SCHEMATIC KEYBOARD MODULE D17 AGC DSKY, NAV DRAWN BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature] DATE: 10/1/58 SHEET: F OF 1 SCALE: NONE			

INTERPRETATION IN ACCORDANCE WITH STANDARDS PRESCRIBED IN MIL-STD-883C

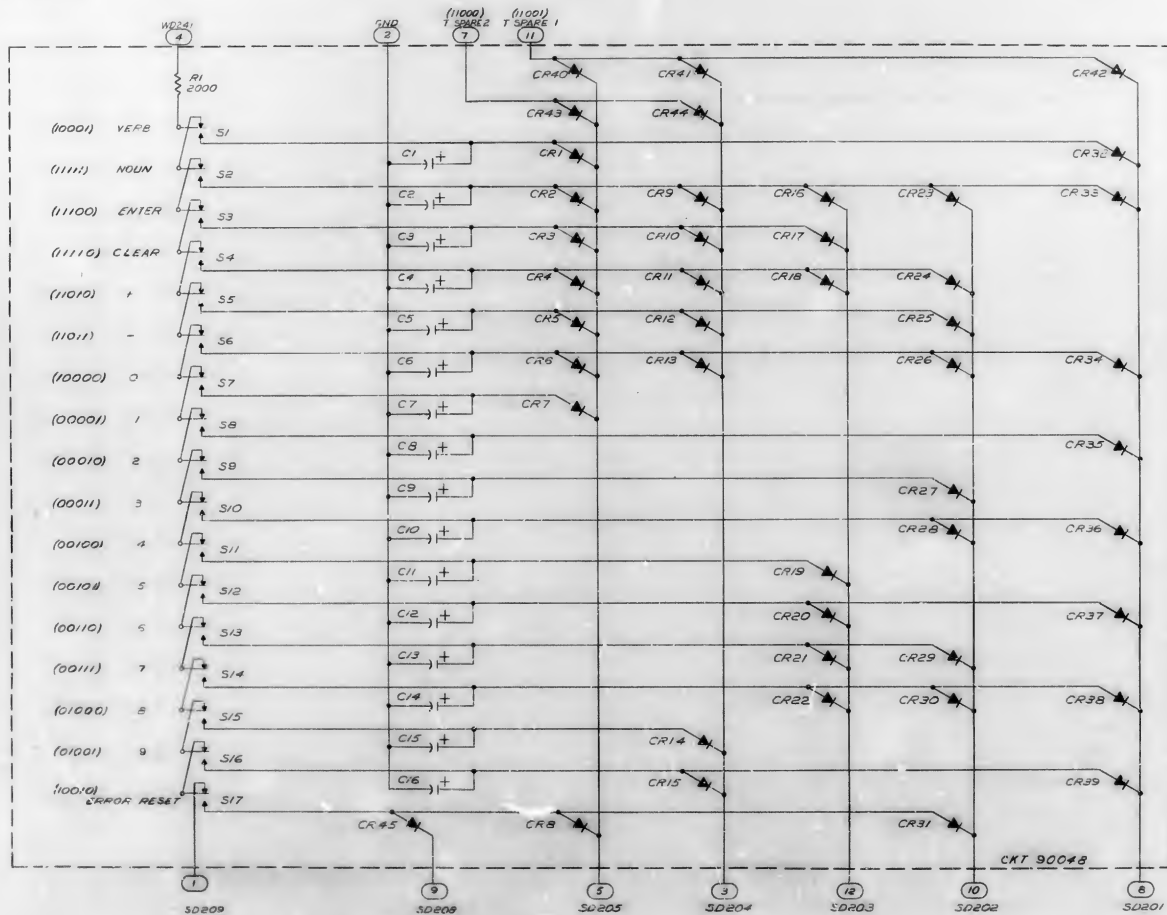


WHENEVER DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-8-70027

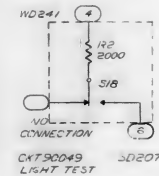
[illegible]

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REVISIONS
 DESCRIPTION
 DATE APPROVED



REF	DESCRIPTION	QTY	VAL	DESCRIPTION	VALUE	TOL	NOTING
CR1-CR45	1006751	DIODE					
S1-S16	1006821	SWITCH					
C1-C16	1006755-79	CAPACITOR	6.8M				
R1-R2	1006750-39	RESISTOR	2K	2.2K	1/4 W		



REFERENCES
 1. ASSEMBLY DRAWING 1003097

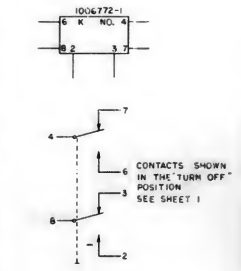
QTY REQD	PART OR IDENTIFYING NO	NAME IN LATE OR DESCRIPTION	UNIT NO
LIST OF MATERIALS			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES IN FRACTIONS DECIMALS ANGLES DO NOT SCALE THIS DRAWING APPROVAL CHECKED BY DATE TESTED NEXT REV USED ON APPLICATION		MANNED SPACECRAFT CENTRAL HOUSTON TEXAS SCHEMATIC KEYBOARD MODULE (AGC KEYBOARD) DATA APPROVAL MY APPROVAL DATE APPROVAL DATE TESTED DATE APPROVAL DATE TESTED DATE APPROVAL DATE TESTED	
SHEET NO. 1 OF 1 F 1006160		SHEET 1 OF 1	

INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-10000

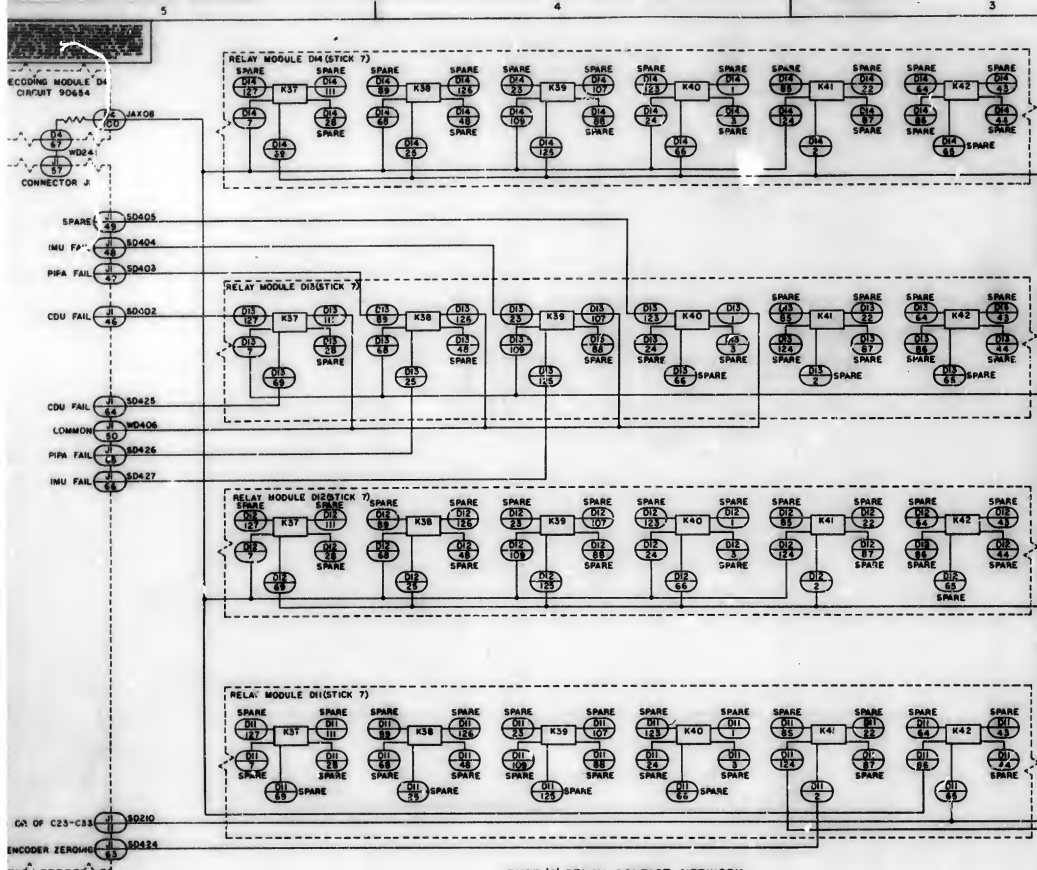


	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES	NOT INSTRUMENTATION CONSTRUCTION
	DO NOT SCALE THIS DRAWING NATEPA	DESIGNED BY CHECKED BY APPROVAL APPROVAL
	HOT TREATMENT	NEED SPECIFIED
HEAT TREAT USED ON	FINISH TREAT	NOT APPLICABLE
MANUFACTURE		

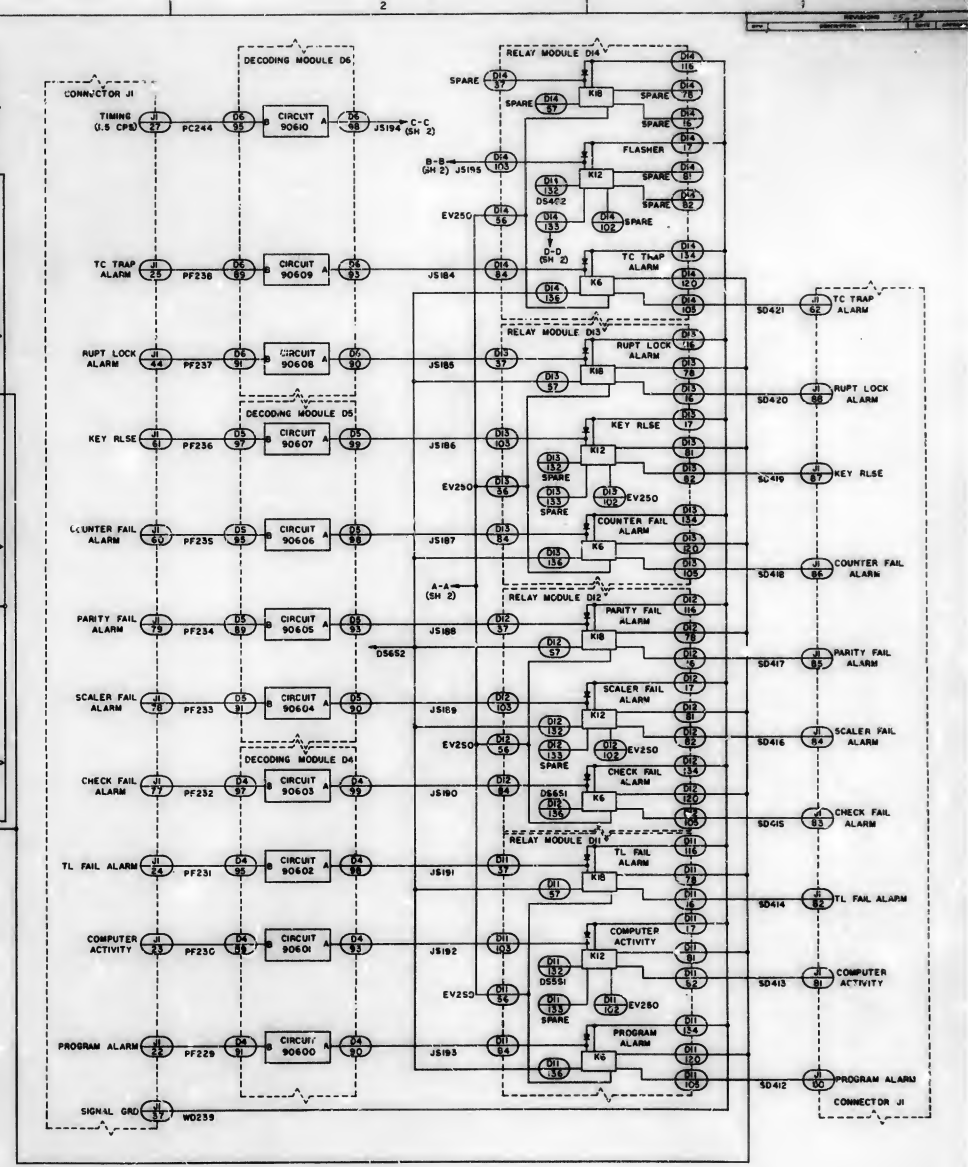
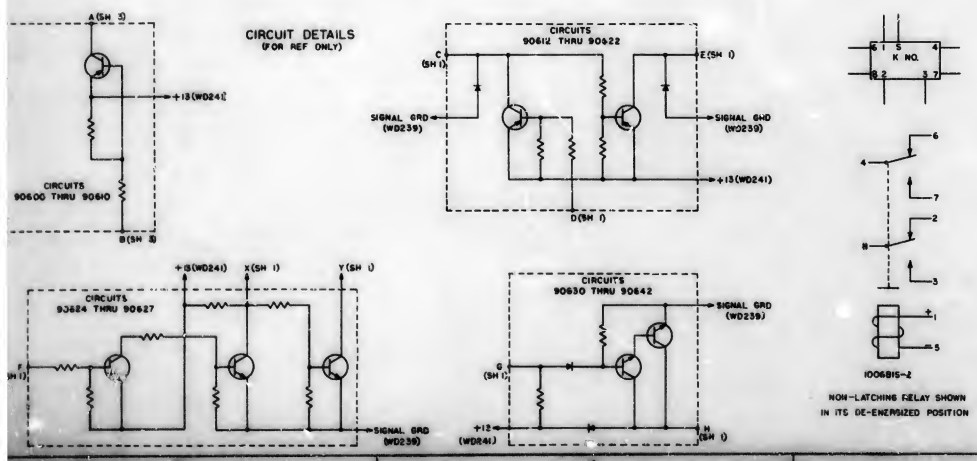




CITY MIAMI		PART OF SUBMITTING NO		SHEET NO OF TOTAL SHEETS		FIND NO	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS DO NOT SCALE THIS DRAWING EITHER				LIST C. MATERIALS MANNED SPACECRAFT CENTER MIAMI FL 33132			
INTERCONNECTION LAB 10000 SW 12TH AVE MIAMI, FL 33150 APPROVAL: <i>[Signature]</i> DATE: <i>10/10/88</i>				INTERCONNECTION FLOW DIAGRAM AEG DSKY, MAIN			
NEXT TREATMENT NEXT APPROVAL: <i>[Signature]</i> DATE: <i>10/10/88</i>				COOR IDENT NO J		SIZE 1006166	
NEXT ASK USED ON		THIS DESIGN		SHEET NO		OF TOTAL SHEETS	
APPLICATION		DESIGN APPROVAL		SCALE		BY	

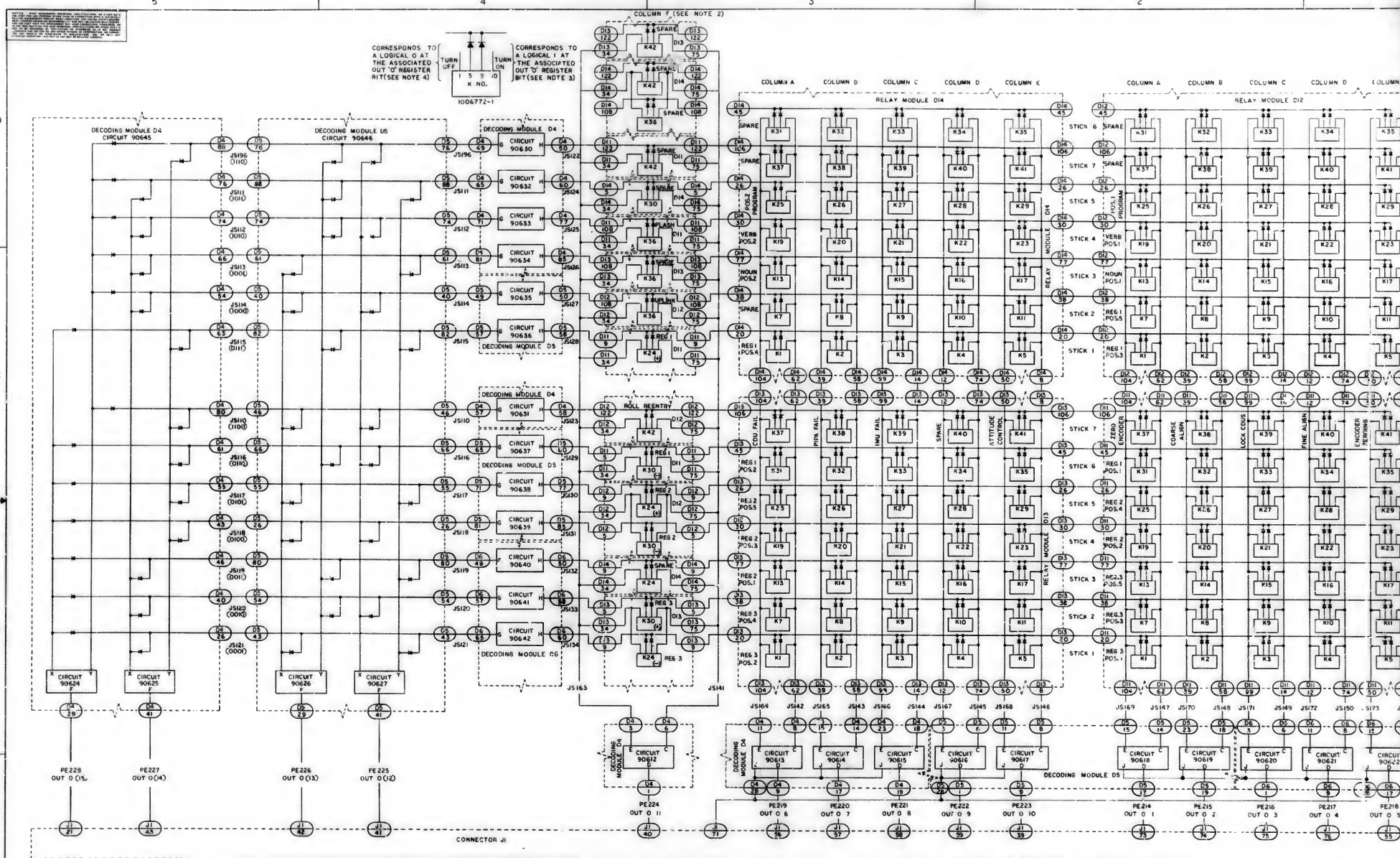


TYPE 'C' RELAY CONTACT NETWORK



TYPE 'A' RELAY CONTROL & CONTACT NETWORKS

REVISION		PART OR IDENTIFYING NO.		DESCRIPTION OF MODIFICATION	
REV	NO	PART OR IDENTIFYING NO.	DESCRIPTION OF MODIFICATION		
<p>INTERCONNECTION FLOW DIAGRAM</p> <p>AGC DISK MAIN</p> <p>DATE: 1006/66</p>					



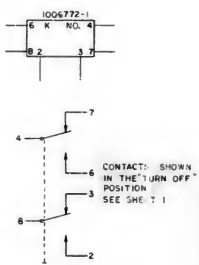
NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-713.27.
2. COLUMN F RELAYS OF INDICATED MODULES TO BE LOCATED IN THE FOLLOWING STICKS:
K24 - STICK 4
K30 - STICK 5
K36 - STICK 6
K42 - STICK 7
3. A LOGICAL '1' IN OUT O PROVIDES A LOW IMPEDANCE TO GROUND AT THE INDICATED INTERFACE.
4. A LOGICAL '0' IN OUT O PROVIDES A HIGH IMPEDANCE TO GROUND AT THE INDICATED INTERFACE.
5. OPEN CIRCUIT WHEN INDICATED CODE PRESENT (SEE NOTES 3 & 4).
6. GROUND WHEN INDICATED CODE PRESENT (SEE NOTES 3 & 4).
7. 1006165 - INTERCONNECTION DIAGRAM.
8. 1006166 - RELAY MODULE SCHEMATIC.
9. 1006167 - DECODING MODULE SCHEMATIC.
10. 1006079 - INTERFACE DRAWING.
11. 1004251 - SIGNAL PIN ASSIGNMENTS.
12. 1006772 - RELAY, ARMATURE.
13. 1003940 - AGC KEYBOARD & DISPLAY.
14. 1006168 - 2-RELAY, ARMATURE.

TYPE C & R CONTROL NETWORK

DECODING LINE (SEE NOTE 5)	RELAY SELECTION LINE (SEE NOTE 6)	RELAY WORD CODE
		PE226 PE227 PE228 PE229
J5112	J5122	1 0 1 1
J5113	J5123	1 0 1 1
J5114	J5124	1 0 1 1
J5115	J5125	1 0 1 1
J5116	J5126	1 0 1 1
J5117	J5127	1 0 1 1
J5118	J5128	1 0 1 1
J5119	J5129	1 0 1 1
J5120	J5130	1 0 1 1
J5121	J5131	1 0 1 1
J5122	J5132	1 0 1 1
J5123	J5133	1 0 1 1
J5124	J5134	1 0 1 1

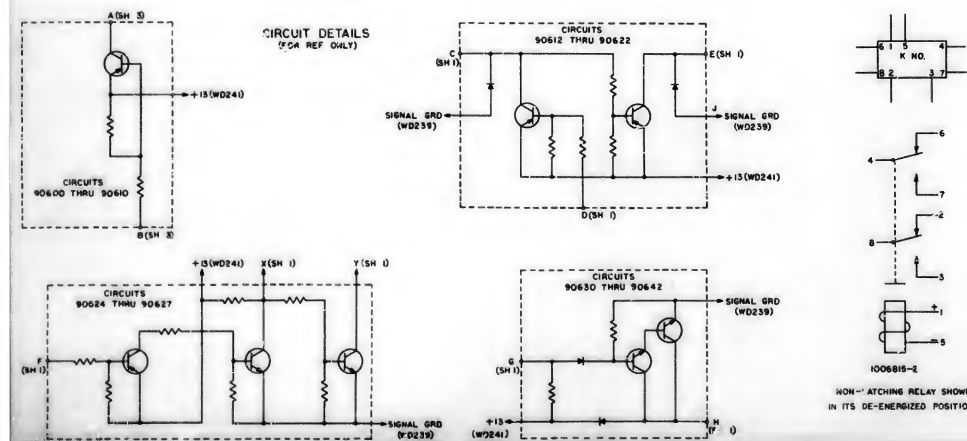
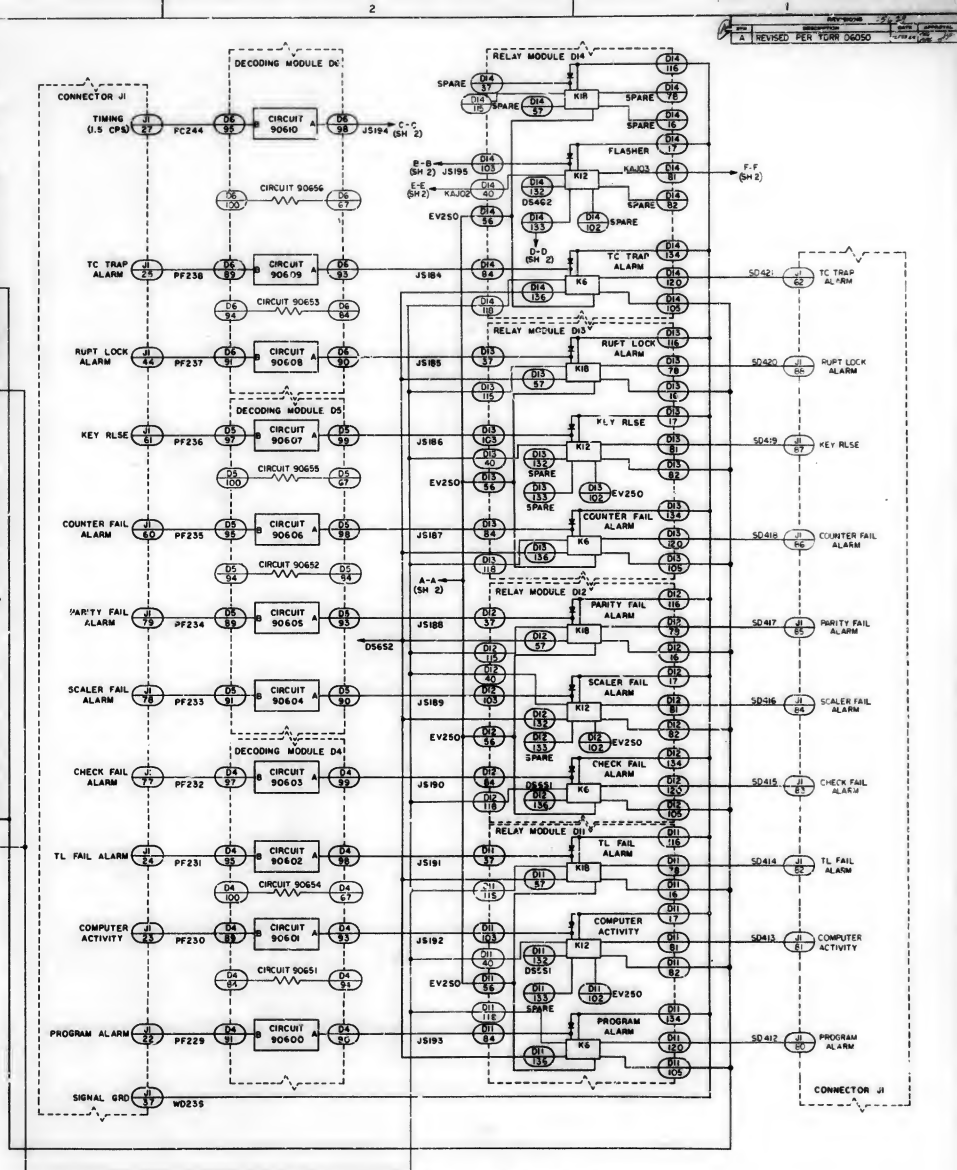
1006166 A



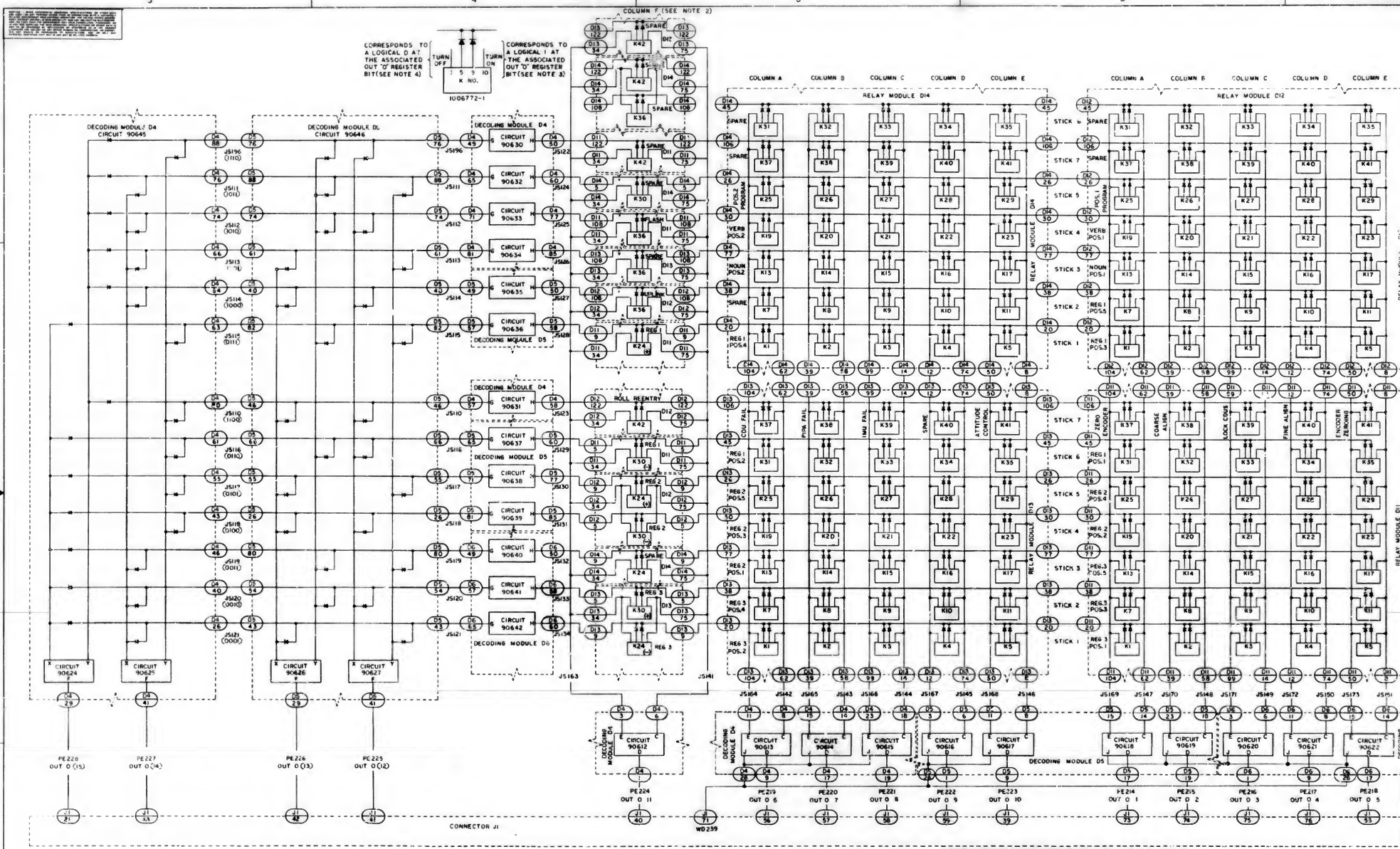
EXAMPLE OF LAMP CODING

Diagram illustrating the example of lamp coding. The diagram shows a 3D perspective of a lamp bank with segments labeled E, F, G, H, J, K, L, M, N. To the right, a wiring diagram shows a 'SEGMENT IDENT' line branching to 'DS' and 'CS NO'. The 'SEGMENT IDENT' line also branches to 'A', 'B', and 'C', which are connected in parallel to a 'SIGNAL RETURN' line. A label 'CONNECTED IN PARALLEL' points to this parallel connection.

[illegible]



STY NO.	ENTRY OR IDENTIFYING NO.	NUMERICALITY OR DESCRIPTION	FILE NO.
LIST OF MATERIALS			
1. TITLE INTERSECTION FLOW LAB		2. NAMED SPACE/CENTER INTERCONNECTION FLOW DIAGRAM	
3. CLASS 4. CREATOR 5. PROJECT 6. DATE		7. DATE RECEIVED 8. DATE EXPIRED	
9. COMMENTS 10. NOTES		11. DATE RECEIVED 12. DATE EXPIRED	
13. NEXT TREATMENT 14. NEXT KEY 15. USED ON		16. DATE RECEIVED 17. DATE EXPIRED	
18. DATE APPROVED 19. DATE APPROVED		20. DATE RECEIVED 21. DATE EXPIRED	



NOTES

- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-STD-70327
- COLUMN F RELAYS OF INDICATED MODULES TO BE LOCATED IN THE FOLLOWING STICKS:
K24 - STICK 4
K30 - STICK 5
K38 - STICK 6
K42 - STICK 7
- A LOGICAL "Y" IN OUT D PROVIDES A LOW IMPEDENCE TO GROUND AT THE INDICATED INTERFACE
- A LOGICAL "O" IN OUT D PROVIDES A HIGH IMPEDENCE TO GROUND AT THE INDICATED INTERFACE

OPEN CIRCUIT WHEN INDICATED
CODE PRESENTSSEE NOTES 3(4)
& GROUND WHEN INDICATED CODE
PRESENTSSEE NOTES 3(4)

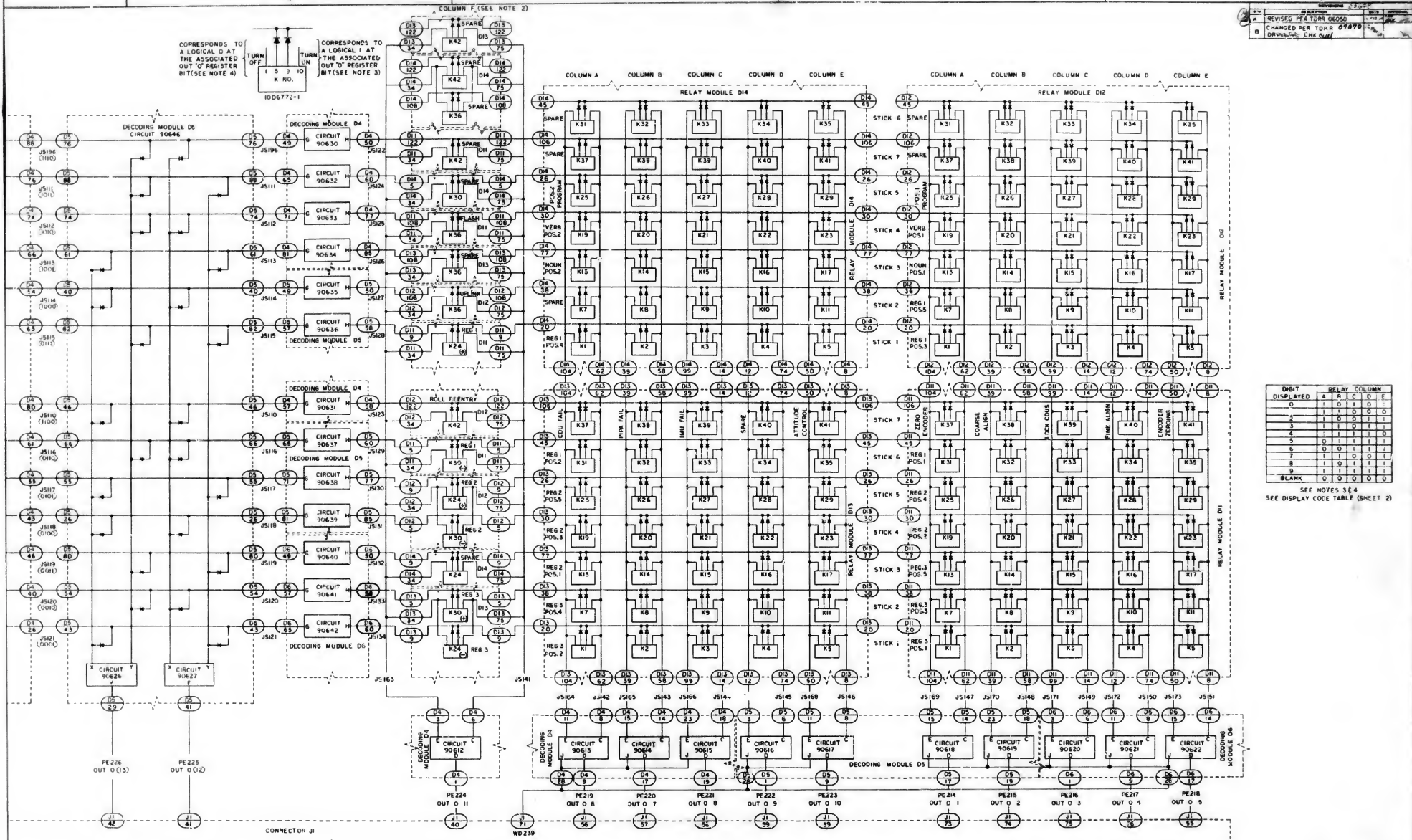
DEF DWGS:

- 100665 - INTERCONNECTION DIAGRAM
- 100661 - RELAY MODULE SCHEMATIC
- 100662 - DECODING MODULE SCHEMATIC
- 100670 - INTERFACE DRAWING
- 1004251 - SIGNAL P/N ASSIGNMENTS
- 1006772-1 - RELAY, ARMATURE
- 100540 - AEC KEYBOARD & DISPLAY
- 1006618-2 - RELAY, ARMATURE

TYPE 'C' & 'K' CONTROL NETWORK

DECODING LINE (SEE NOTE 5)	RELAY SELECTION LINE (SEE NOTE 6)	RELAY WORD CODE PE226 PE227 PE228 PE225
J5106	J5122	1 1 1 1
J5111	J5124	1 0 1 1
J5112	J5125	1 0 1 0
J5115	J5126	1 0 0 1
J5117	J5127	1 0 0 0
J5118	J5128	0 1 1 1
J5119	J5129	0 1 1 0
J5120	J5130	0 1 0 1
J5121	J5131	0 1 0 0
J5122	J5132	0 0 1 1
J5123	J5133	0 0 1 0
J5124	J5134	0 0 0 1
J5125	J5135	0 0 0 0

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES OF NOT SCALE THIS DRAWING	DATE: 10/1/66 BY: J. J. J. CHECKED: J. J. J. APPROVED: J. J. J.
TEST TREATMENT	REVISIONS
NEXT REVISION	USED ON
APPROVAL	REVISIONS



8BIT DISPLAYED RELAY COLUMN

8BIT DISPLAYED	RELAY COLUMN
0	A A C O E
1	1 1 0 1 1
2	1 1 0 0 1
3	1 1 0 1 1
4	1 1 1 1 1
5	0 1 1 1 1
6	0 1 0 1 1
7	1 1 1 0 1
8	1 1 1 1 1
BLANK	C O O O O

SEE NOTES 3 & 4
 SEE DISPLAY CODE TABLE (SHEET 2)

REF DWGS

- 1006165-INTERCONNECTION DIAGRAM
- 1006161-RELAY MODULE SCHEMATIC
- 1006162-DECODING MODULE SCHEMATIC
- 1006175-INTERFACE DRAWING
- 1004251-SIGNAL, PIN ASSIGNMENTS
- 1006172-RELAY, ARMATURE
- 1005140-AEC KEYBOARD & DISPLAY
- 1006161-2-RELAY, ARMATURE

TYPE 'C' & 'R' CONTROL NETWORK

DECODING LINE (SEE NOTE 5)	RELAY SELECTION LINE (SEE NOTE 6)	RELAY WORD CODE
J5126	J5122	1 1 1 1 1
J5131	J5124	1 0 1 1 1
J5132	J5125	1 0 1 1 0
J5133	J5126	1 0 0 0 0
J5134	J5127	1 0 0 0 1
J5135	J5128	0 1 1 1 1
J5136	J5129	0 1 1 1 0
J5137	J5130	0 1 0 1 1
J5138	J5131	0 1 0 1 0
J5139	J5132	0 0 1 1 1
J5140	J5133	0 0 1 1 0
J5141	J5134	0 0 0 1 1
J5142	J5135	0 0 0 1 0

QUALITY CONTROL SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON
 DIMENSIONS ARE
 UNLESS OTHERWISE SPECIFIED
 DECIMALS ARE
 IN INCHES
 UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE
 TOLERANCES ON
 DIMENSIONS ARE
 UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE
 TOLERANCES ON
 DIMENSIONS ARE

APPROVAL
 APPROVED BY
 DATE

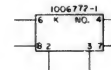
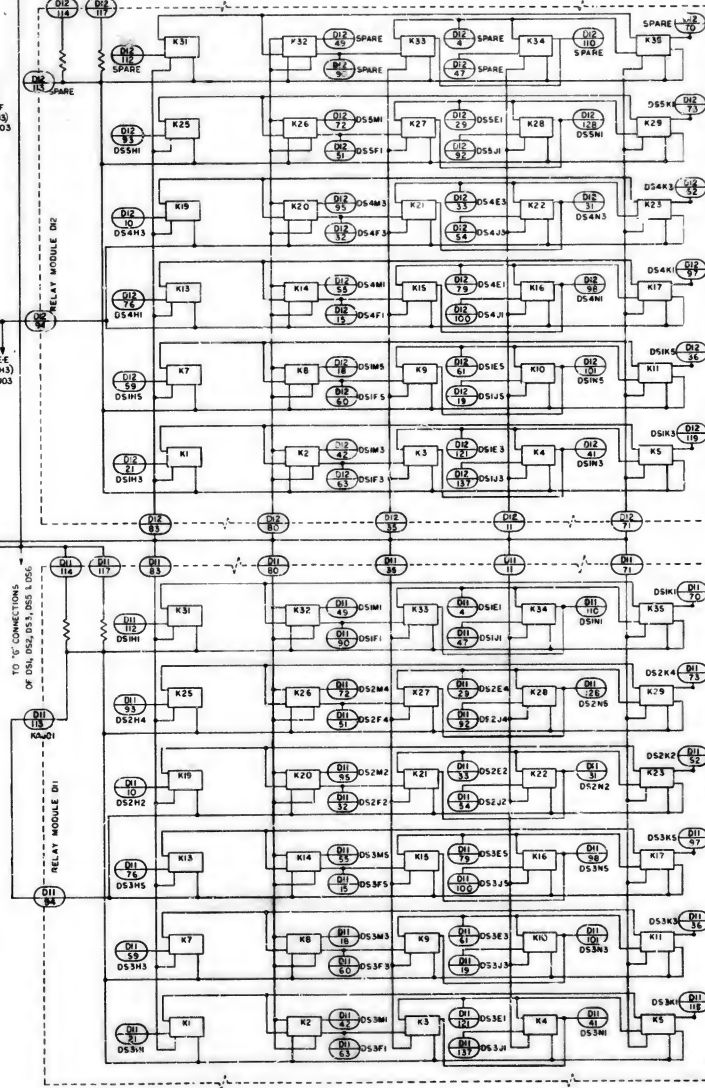
REVISION
 REVISION
 REVISION

DATE
 DATE
 DATE

BY
 BY
 BY

FOR
 FOR
 FOR

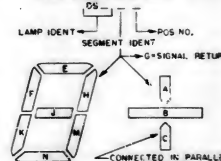
1006166



CONTACTS SHOWN
IN THE TURN OFF
POSITION
SEE SHEET 1

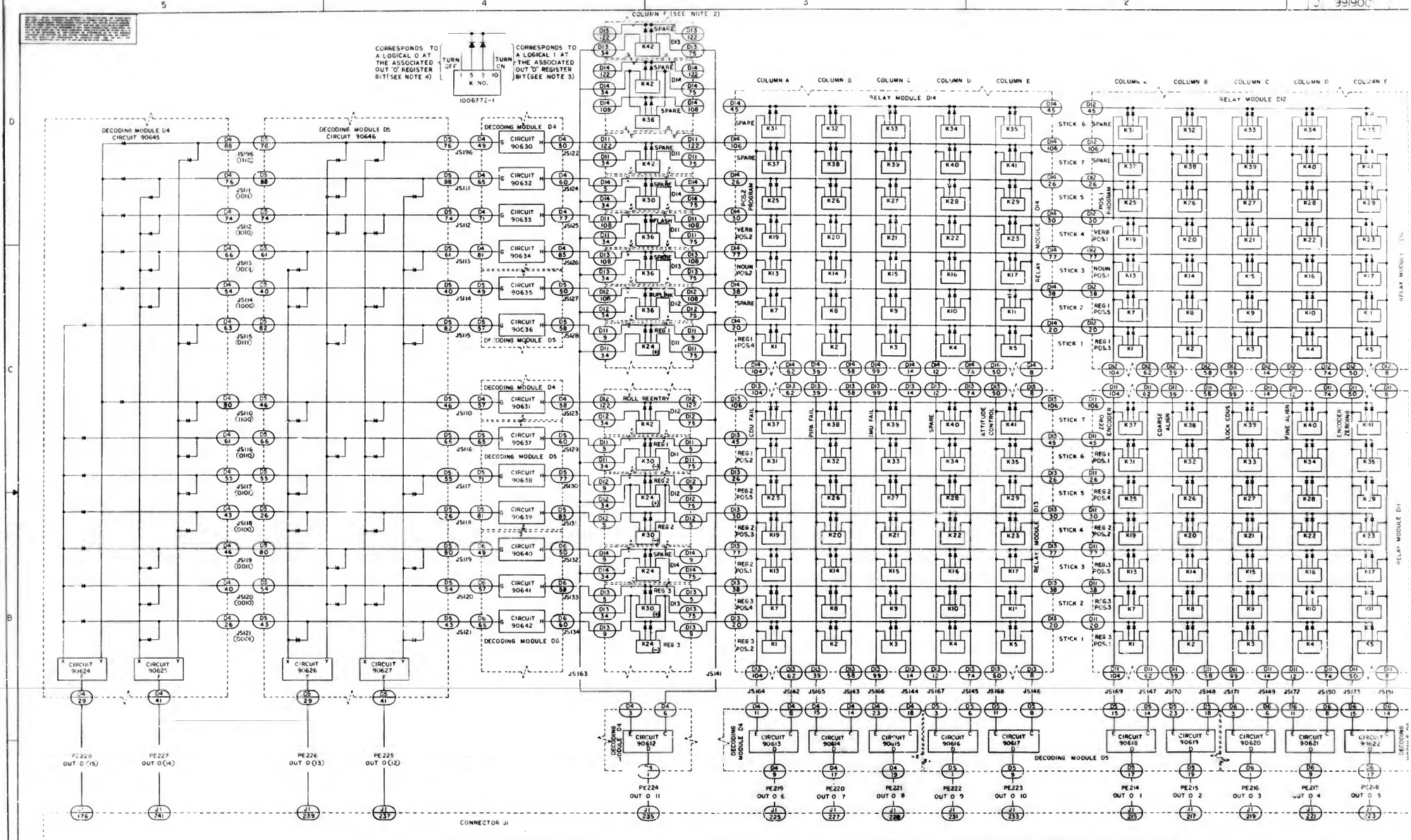
INDICATOR DISPLAY	COMP FAIL	CHECK FAIL
PROGRAM DISPLAY	D5652 D5651	D5651 D5651
VERB NOUN	D5651 D5651	D5651 D5651
REGISTER 1	D5651 D5651	D5651 D5651
REGISTER 2	D5651 D5651	D5651 D5651
REGISTER 3	D5651 D5651	D5651 D5651

EXAMPLE OF LAMP CODING



TYPE "R" CONTACT NETWORK

[illegible]



NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. COLUMN # RELAYS OF INDICATED MODULES TO BE LOCATED IN THE FOLLOWING STICKS
K24 - STICK 4
K30 - STICK 5
K36 - STICK 6
K42 - STICK 7
3. A LOGICAL "1" OUT 0 PROVIDES A LOW IMPEDANCE TO GROUND AT THE INDICATED INTERFACE
4. A LOGICAL "0" OUT 0 PROVIDES A HIGH IMPEDANCE TO GROUND AT THE INDICATED INTERFACE

5. OPEN CIRCUIT WHEN INDICATED
CODE PRESENT(SEE NOTES 3&4)
6. GROUND WHEN INDICATED CODE

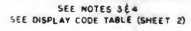
REF DWG

1. 1006165 - INTERCONNECTION DIAGRAM
2. 1006161 - RELAY MODULE SCHEMATIC
3. 1006162 - DECODING MODULE SCHEMATIC
4. 1006079-1A - RFACE DRAWING
5. 1004251 - SIGNAL PIN ASSIGNMENTS
6. 1006772-1 - RELAY, ARMATURE
7. 1003540 - AGC KEYBOARD & DISPLAY
8. 1006815-2 - RELAY, ARMATURE

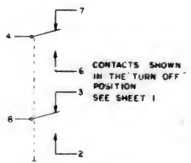
TYPE 'C' & 'R' CONTROL NETWORK

DECKING LINE (SEE NOTE 5)	RELAY SELECTION LINE (SEE NOTE 6)	RELAY ADDRESS PR226 PR227 PR228 PR229
JS190	JS182	1 1 1 1
JS191	JS184	1 1 1 1
JS192	JS185	1 0 1 0
JS193	JS186	1 0 1 0
JS194	JS187	0 1 0 0
JS195	JS188	0 1 0 0
JS196	JS189	1 1 0 0
JS197	JS190	1 1 0 0
JS198	JS191	0 1 0 0
JS199	JS192	0 1 0 0
JS200	JS193	0 0 0 0
JS201	JS194	0 0 0 0

[illegible]



1



EXAMPLE OF LAMP CODING

DS

LAMP IDENT

SEGMENT IDENT

POS NO.

G = SIGNAL RETURN

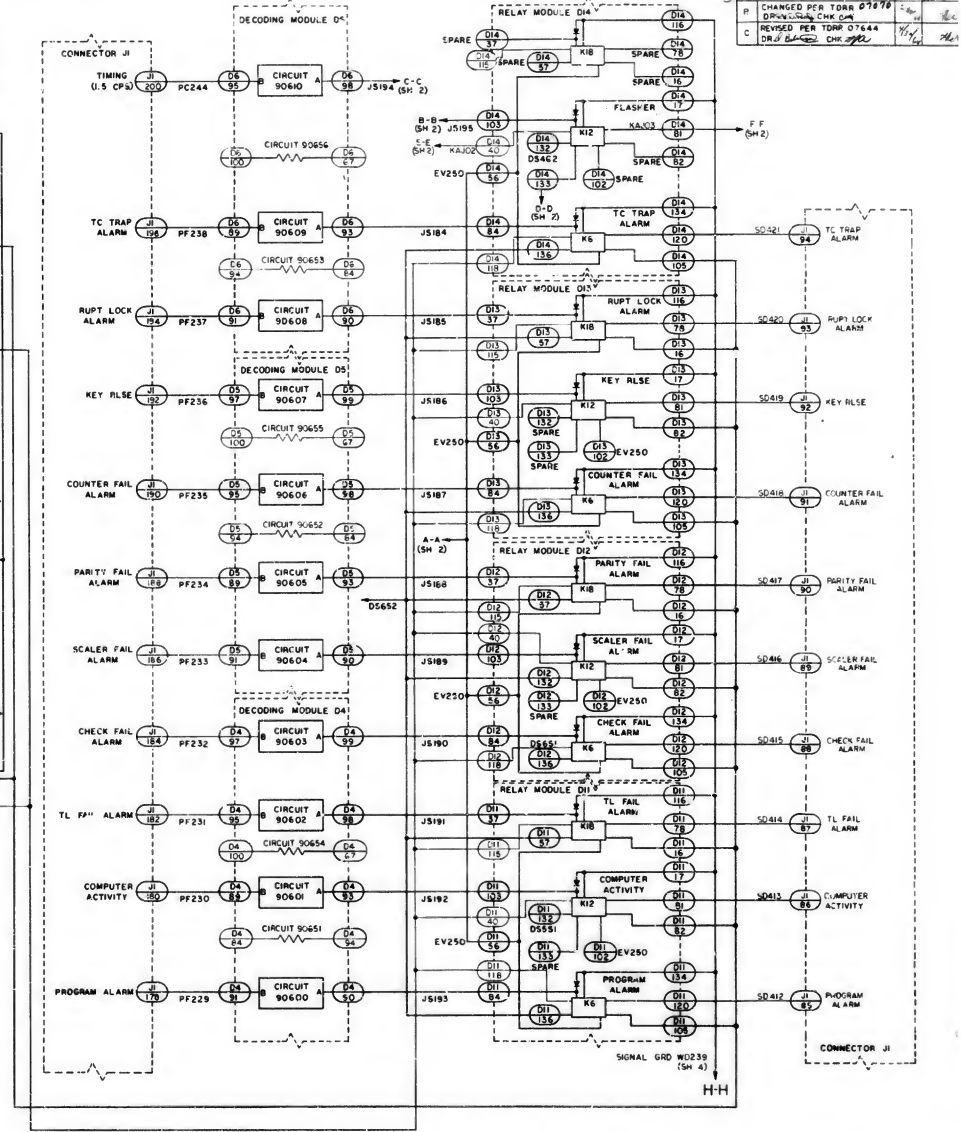
A

B

C

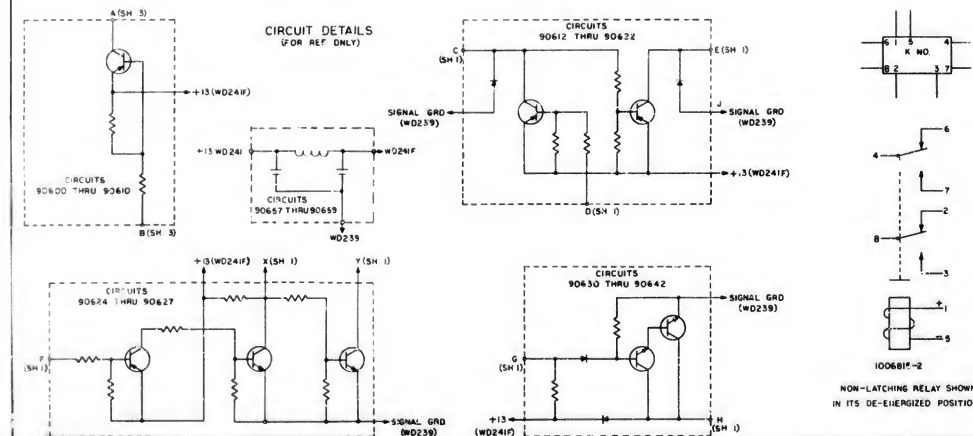
CONNECTED IN PARALLEL

Q77 REQ:		PART ID IDENTIFICATION NO		NONRECURATIVE OR DESCRIPTION		DRAWING NO	
				LIST OF MATERIALS			
UNLESS OTHERWISE SPECIFIED DRAWING AND IN THE REFERENCES ON FRACTIONS DECIMALS AND PERCENTS DO NOT SLIDE THIS DRAWING MATERIAL		INSTRUMENTATION LAB CHECKED BY <i>[Signature]</i> APPROVED <i>[Signature]</i> DATE <i>10-1-78</i>		MANNED SPACECRAFT CENTER MINISTON, TEXAS INTERCONNECTION FLOW DIAGRAM A65 DSK7, MAIN			
NEXT TREATMENT		NASA APPROVAL <i>[Signature]</i> SMT APPROVAL <i>[Signature]</i>		CODE IDENT NO J		NASA DRAWING NO 1006166	
NEXT COPY USED ON		FINAL FIGURE		TOTAL		SHEET 2 OF 4	
APPLICATION							



TYPE 'C' RELAY CONTACT NETWORK

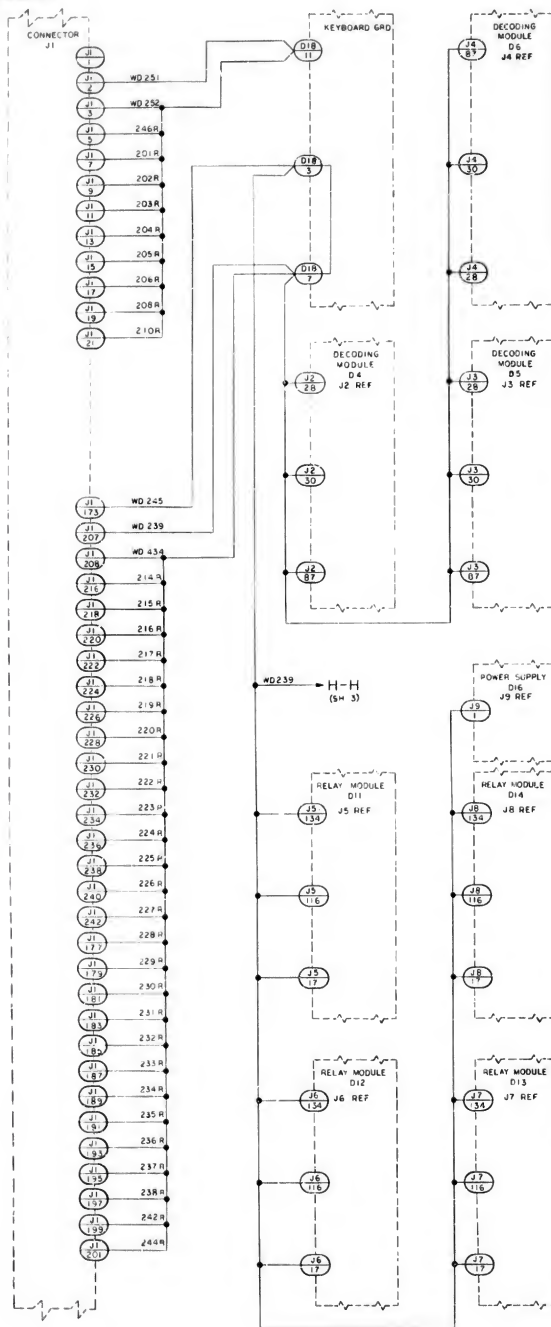
TYPE 'A' RELAY CONTROL & CONTACT NETWORKS



NON-LATCHING RELAY SHOWN
IN ITS DE-ENERGIZED POSITION

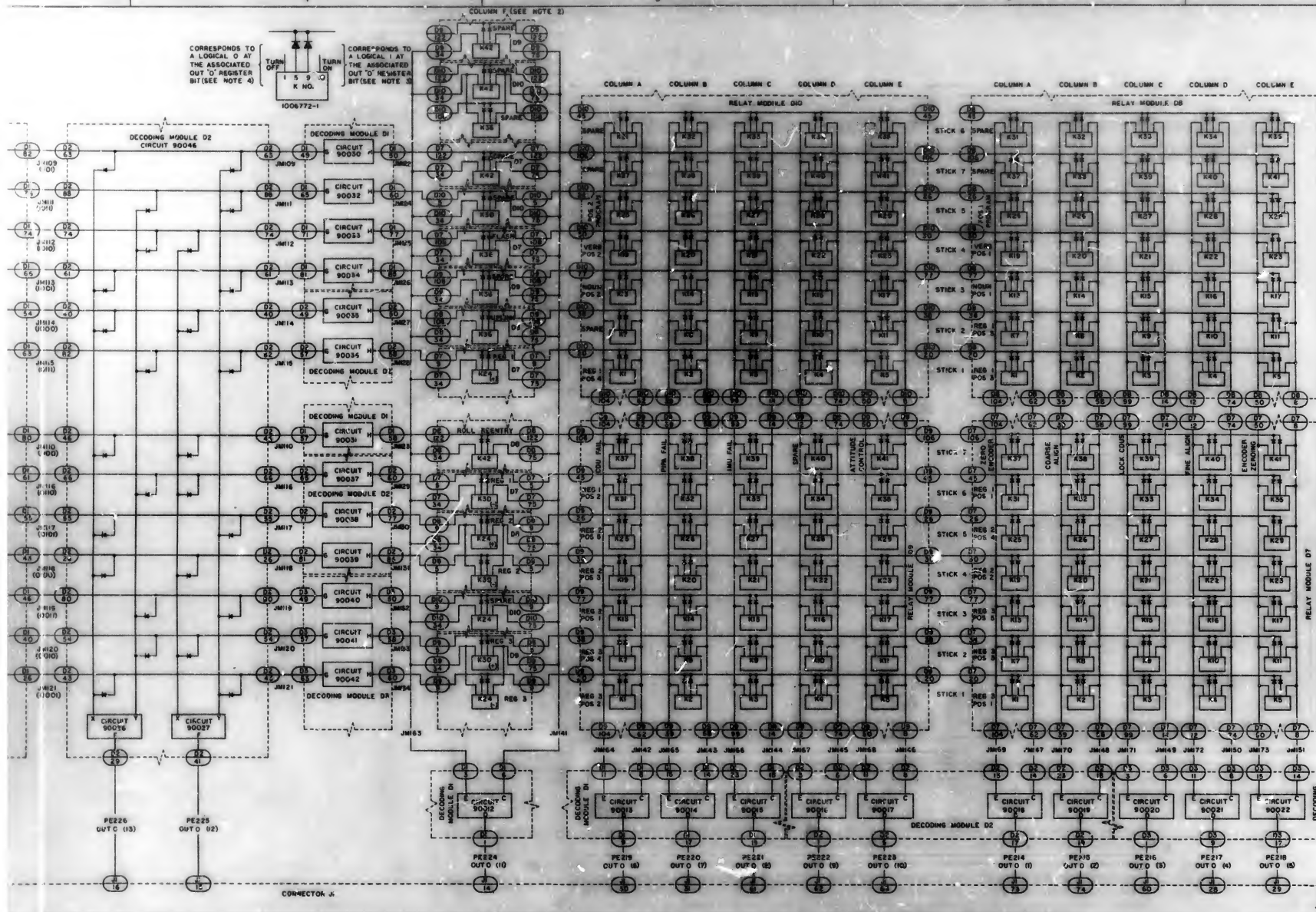
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER TORR 06050	1/17/80	W. H. H.
B	CHANGED PER TORR 07870 DRAWING CHK <i>W. H. H.</i>	2-20-80	W. H. H.
C	REVISED PER TORR 07644 DRAWING CHK <i>W. H. H.</i>	4/5/80	W. H. H.

DTG 0000		PART OR IDENTIFYING NO		MANUFACTURE OR DESCRIPTION		FBI NO	
				LIST OF MATERIALS			
(unless otherwise specified dimensions are in inches) TOLERANCES ON FRACTIONS DECIMALS ANGLES				MAPPED SPACECRAFT CENTER HOUSTON, TEXAS			
DO NOT SCALE THE DRAWING MATTER				INTERCONNECTION FLOW DIAGRAM ASDC MAIN			
NEXT REVISION USED ON				DATE DRAWING NO.			
APPLICATION				DATE APPROVAL			
FULL TITLE				DATE APPROVAL			



GROUNDING NETWORK

[illegible]



DIGIT DISPLAYED	RELAY COLUMN				
	A	B	C	D	E
0	1	0	0	1	1
1	1	1	0	0	0
2	1	0	0	1	1
3	1	1	0	1	1
4	1	1	1	1	0
5	0	1	1	1	1
6	0	0	1	1	1
7	1	1	0	0	1
8	1	0	1	1	1
9	1	1	1	1	1
BLANK	0	0	0	0	0

SEE NOTES 3 & 4
SEE DISPLAY CODE TABLE(SHEET 2)

5. OPEN CIRCUIT WHEN INDICATED
CODE PRESENT (SEE NOTES 3 & 4)
6. GROUNDED WHEN INDICATED CODE
PRESENT (SEE NOTES 3 & 4)

REF DW65

1. IO0664-INTERCONNECTION DIAGRAM
2. IO0661-RELAY MODULE SCHEMATIC
3. IO0662-DECODING MODULE SCHEMATIC
4. IO0600-INTERFACE DRAWING
5. IO04252-SIGNAL PIN ASSIGNMENTS
6. IO06772-1-RELAY, SENSITIVE
7. IO05824-ABC KEYBOARD & DISPLAY ASSY
8. IO06815-2-RELAY, ARMATURE

TYPE "C" & "R" CONTROL NETWORK

DECODING LINE (SEE NOTE 5)	DELAY DELTATION LINE (SEE NOTE 6)	DELAY WORD CODE (PC-2, PC-22, PC-23, PC-24)
0000	0000	1 0 1
0001	0001	1 0 1
0010	0010	0 0 1
0011	0011	0 0 0
0100	0100	0 1 1
0101	0101	0 1 0
0110	0110	0 1 0
0111	0111	0 0 0
1000	1000	0 0 0
1001	1001	0 0 0
1010	1010	0 0 0
1011	1011	0 0 0
1100	1100	0 0 0
1101	1101	0 0 0
1110	1110	0 0 0
1111	1111	0 0 0

[illegible]

[illegible]



5. OPEN CIRCUIT WHEN INDICATED
CODE PRESENT(SEE NOTES 3 & 4)

6. GROUNDED WHEN INDICATED CODE
PRESENT(SEE NOTES 3 & 4)

REF DW63

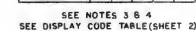
1. 1006164-INTERCONNECTION DIAGRAM
2. 1006161-RELAY MODULE SCHEMATIC
3. 1006162-DECODING MODULE SCHEMATIC
4. 1006080-INTERFACE DRAWING
5. 1004252-SIGNAL PIN ASSIGNMENTS
6. 1006772-1-RELAY, ARMATURE
7. 1003524-AGC KEYBOARD B DISPLAY ASSY
8. 1006815-2-RELAY, ARMATURE

DECODING LINE/RELAY SELECTION LINE		RELAY WORD CODE			
(SEE NOTE 5)	(SEE NOTE 6)	PE220	PE221	PE222	PE223
JM109	JM122	1	1	0	0
JM111	JM124	1	0	1	1
JM112	JM125	1	0	1	0
JM113	JM126	0	0	0	0
JM114	JM127	1	0	0	0
JM115	JM128	0	1	1	1
JM116	JM129	0	1	0	0
JM117	JM130	0	0	0	0
JM118	JM131	0	1	0	0
JM119	JM132	0	0	0	1
JM120	JM133	0	0	0	0
JM121	JM134	0	0	0	0

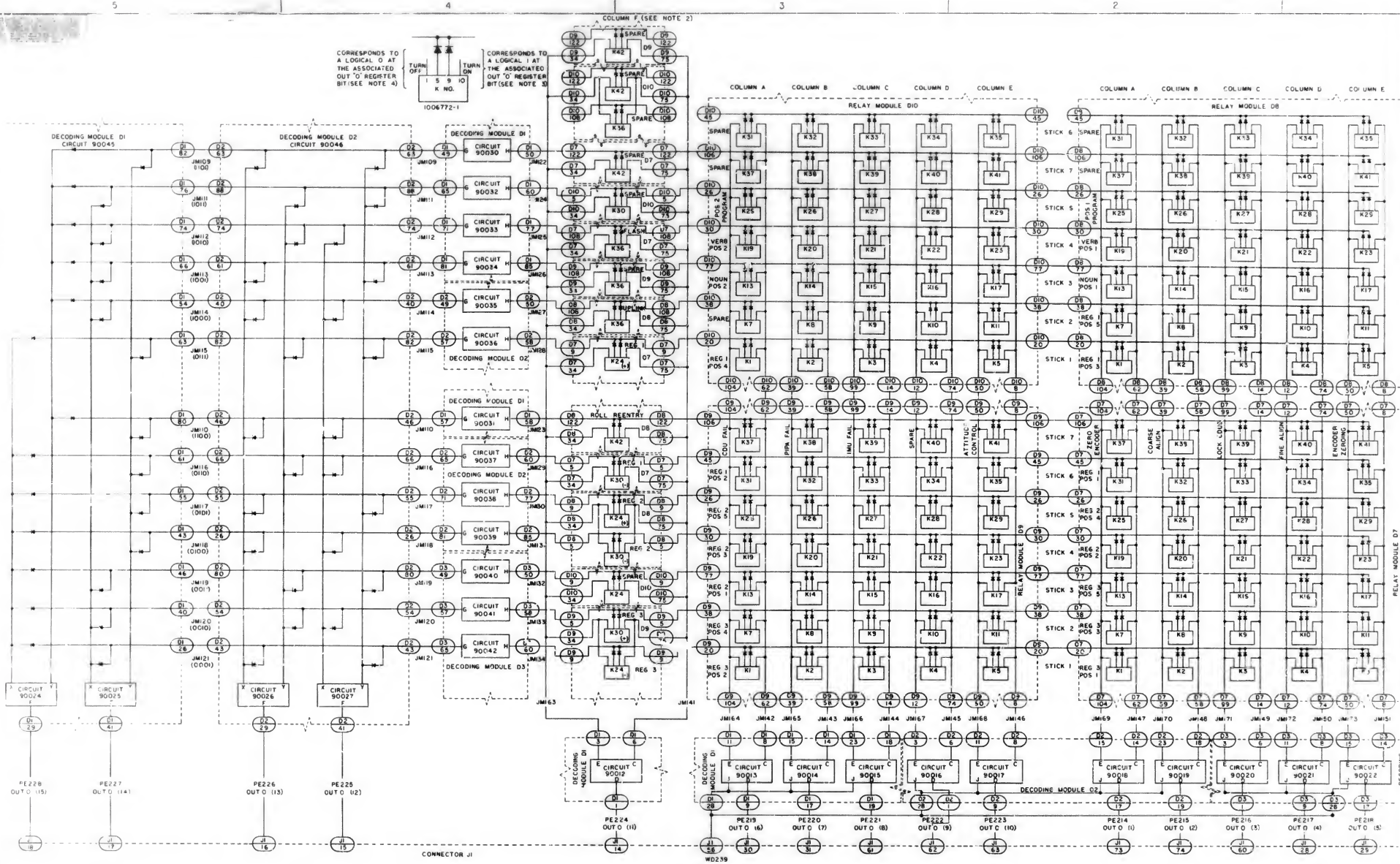
DO NOT SCALE THIS HARMING MATERIAL

HIST TREATMENT

TOTAL TONNES



DTG REQD	DATE OF IDENTIFYING NO	NAME OF AGENCY OR SUB-AGENCY
LIST OF MATRONS		
CITY INTERPRETATION LAB Columbia, Mo.		MANMED SPACECRAFT CENTER HOUSTON, TEXAS
DRAWN BY <i>W. J. Jones</i> CHECKED BY <i>W. J. Jones</i> APPROVAL BY <i>W. J. Jones</i> <i>Robert C. Hall 3 Jun 63</i>		INTERCONNECTION FLOW DIAGRAM AGC DSKY NAV
DATA APPROVAL <i>W. J. Jones</i> UNIT APPROVAL SUB APPROVAL BY <i>W. J. Jones</i>	CROSS CHECK NO _____	SIZE J ORDER NUMBER 1006167



NOTES

INTERPRET DRAWINGS IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

CCI - W/4. RELAYS OF INDICATED MODULES 1" C LOCATED IN THE FOLLOWING STICKS

K24 - STICK 4
K30 - STICK 5
K36 - STICK 6
K42 - STICK 7

3 A LOGICAL 'Y' IN OUT O PROVIDES A LOW IMPEDANCE TO GROUND AT THE INDICATED INTERFACE

4 A LOGICAL 'O' IN OUT O PROVIDES A HIGH IMPEDANCE TO GROUND AT THE INDICATED INTERFACE

- 5 OPEN CIRCUIT WHEN INDICATED CODE PRESENT (SEE NOTES 3 & 4)
- 6 GROUND WHEN INDICATED CODE PRESENT (SEE NOTES 3 & 4)
- REF DW65
1. 100672-1-INTERCONNECTION DIAGRAM
 2. 1006161-RELAY MODULE SCHEMATIC
 3. 1006162-DECODING MODULE SCHEMATIC
 4. 1006080-INTERFACE DRAWING
 5. 1004252-SIGNAL PIN ASSIGNMENTS
 6. 1006722-1-RELAY ARMATURE
 7. 1005624-ASC KEYBOARD & DISPLAY ASSY
 8. 1006915-2-RELAY ARMATURE

TYPE 'C' & 'R' CONTROL NETWORK

DECODING LINE/RELAY SELECTION LINE (SEE NOTE 3)		RELAY WORD CODE (SEE NOTE 4)	
PE228	PE227	PE226	PE225
JMI09	JMI22	I	I
JMI11	JMI24	I	I
JMI12	JMI25	I	I
JMI13	JMI26	I	I
JMI14	JMI27	I	I
JMI15	JMI28	I	I
JMI16	JMI29	I	I
JMI17	JMI30	I	I
JMI18	JMI31	I	I
JMI19	JMI32	I	I
JMI20	JMI33	I	I
JMI21	JMI34	I	I

REVISIONS

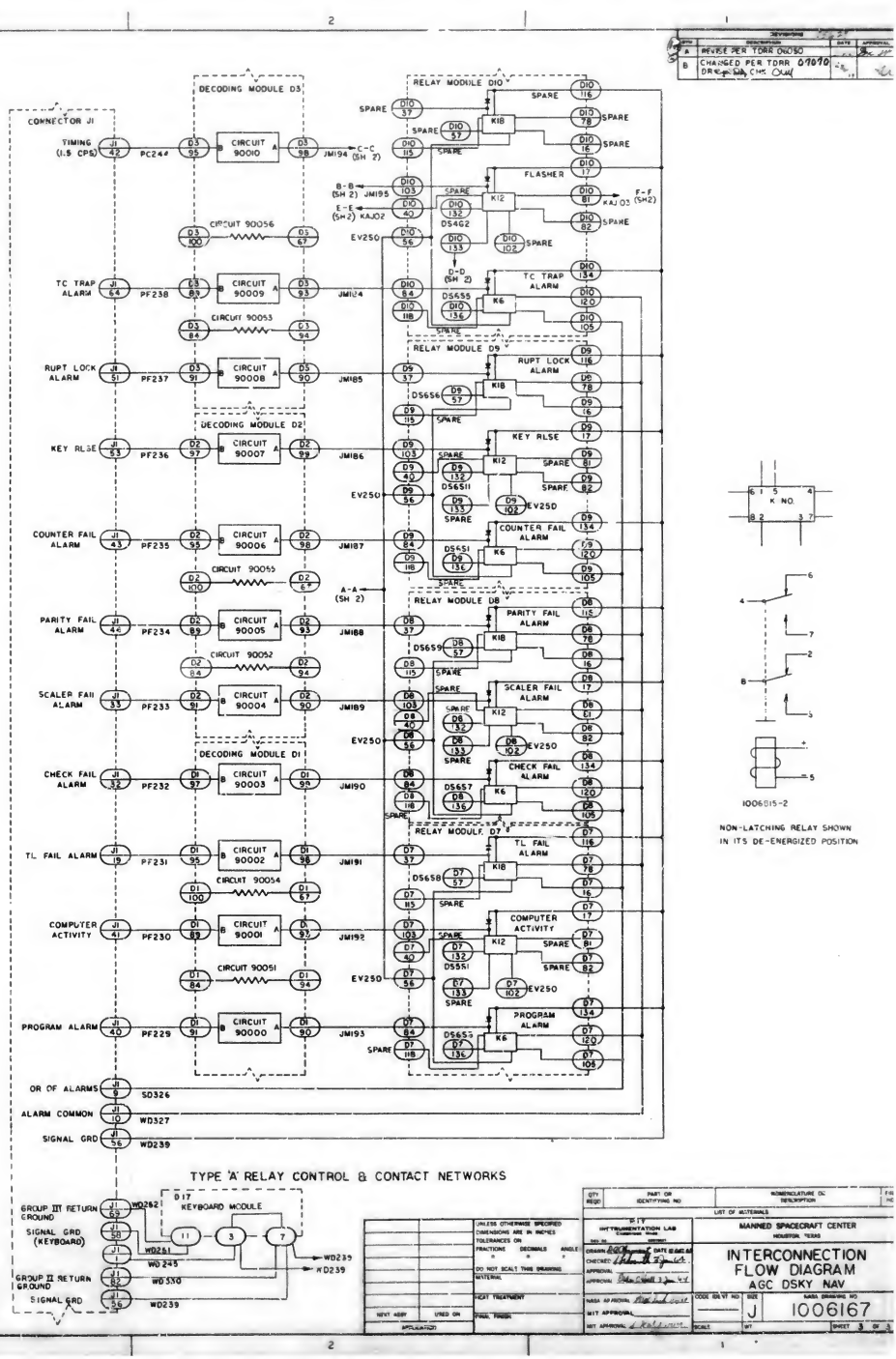
NO.	DATE	DESCRIPTION	BY	CHKD
1				
2				
3				
4				
5				

DESIGN APPROVAL: _____

TEST APPROVAL: _____

DATE: _____

DATE 7/2/82		PART OF IDENTIFYING NO.		NAME POLYMER OR DESCRIPTION	
UNIT OF MEASUREMENT LBS				UNIT OF MEASUREMENT MAPPED SIGHTING CENTER HOUSTON, TEXAS	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES		YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> COUNTRY OF ORIGIN <i>USA</i> MANUFACTURER <i>General Electric</i> MODEL <i>1006167</i>		INTERCONNECTION FLOW DIAGRAM AGC DSKY NAV	
DO NOT SCALE THIS DRAWING METRIC		MEAS APPROVAL <i>[Signature]</i>		GLOBE SCALE NO. <i>1006167</i>	
NEXT DRAWING		NOT APPROVAL		J <i>1006167</i>	
NEXT ASST USED ON		PART NUMBER		DATE	
APPLICATION		PART APPROVAL NO. <i>[Signature]</i>		DATE	



REF DES	PART NO.	DESCRIPTION	VALUE	TOL	RATING	CKT NO USED ON
R1	1006750 - 24	RESISTOR	470	2 %	1/4 W	
R2	24		470			
R3		SEE NOTE 3				40410 THRU 40417
R4	- 32		1000			
R5	- 32		1000			40420 THRU 40427
R6	- 24		470			
R7	43		200			
R8	- 15		470			40418 40428
R9	24		470			
R10	31		2000			
R11		SEE NOTE 3				
R12	- 36		10K			
R13	- 43		3500			
R14	- 39		2000			
R15	-	SEE NOTE 3				
R16	- 55		1000			
R17	- 24		470			
R18		SEE NOTE 3				
R19	- 32		1000			
R20						
R21	- 39		2000			
R22	- 15		200			
R23	- 49		5100			
C1	1006755-69	CAPACITOR	1.0 μ F		35 V	
C2						
C3						
C4						
C5						
C6	1006751	DIODE				
C7						
C8						
C9						
C10	1006838					
C11	1006751					
C12						
C13						
C14						
C15						
C16						
C17						
C18						
C19						
C20						
C21						
Q1	1006752	TRANSISTOR				40410 THRU 40417
Q2	1006753					40418, 40428
Q3	1006752					
Q4	1006752					
Q5	1006753					
Q6	1006752					
T1	1006762	TRANSFORMER				40410 THRU 40417
S41	1006766	SENSE AMP				40420 THRU 40427

R 11		R 11	
PART NO.	VALUE	PART NO.	VALUE
106750-15	200	106750-31	910
-16	220	-32	1000
-17	240	-33	1100
-18	210	-34	1020
-9	300	-35	1300
-20	310	-36	1500
-21	360	-37	1600
-22	390	-38	1800
-23	430	-39	2000
-24	470	-40	2200
-25	510	-41	2400
-26	580	-42	2700
-27	620	-43	3000
-28	760	-44	3300
-29	820	-45	3600
106750-30	900	106750-46	3900

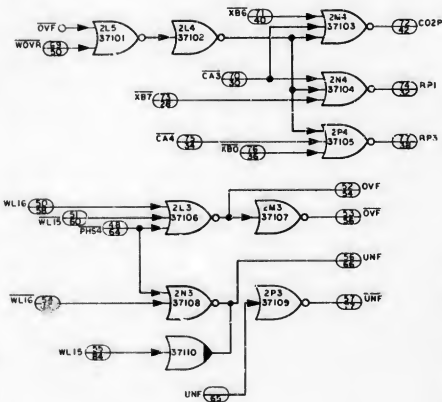
COMPONENT NO. (ASSY)	CIRCUIT NO.	A				B				C				D			
		SIGNAL	PIN NO. ASS'Y	PIN NO. AUG 5	SIGNAL	PIN NO. AUG 4	PIN NO. ASS'5	SIGNAL	PIN NO. AUG 4	PIN NO. ASS'5	SIGNAL	PIN NO. AUG 5	SIGNAL	PIN NO. AUG 4	PIN NO. ASS'5		
2	40A10	SAF01	90	7	SBF01	100	6	40A10A	81	3	SA01	111	1	SA02	111	1	
2	40A11	SAF02	91	7	SBF02	101	6	40A11A	81	3	SA02	112	1	SA03	112	1	
3	40A12	SAF03	92	24	SBF03	102	22	40A12A	82	23	SA03	113	2	SA04	113	2	
3	40A13	SAF04	93	24	SBF04	103	22	40A13A	83	23	SA04	114	2	SA05	114	2	
3	40A14	SAF05	94	62	SBF05	104	60	40A14A	84	54	SA05	115	6	SA06	115	6	
6	40A15	SAF06	95	61	SBF06	105	63	40A15A	85	63	SA06	116	7	SA07	116	7	
4	40A16	SAF07	96	78	SBF07	106	79	40A16A	86	79	SA07	117	8	SA08	117	8	
8	40A17	SAF08	97	77	SBF08	107	79	40A17A	87	73	SA08	118	7	SA09	118	7	
1	40A20	SAF09	90	8	SBF09	100	6	40A20A	81	3	SA09	110	4	SA10	110	4	
2	40A21	SAF10	91	8	SBF10	101	6	40A21A	81	3	SA10	111	1	SA11	111	1	
3	40A22	SAF11	92	24	SBF11	102	22	40A22A	82	23	SA11	112	2	SA12	112	2	
4	40A23	SAF12	93	23	SBF12	103	25	40A23A	83	29	SA12	113	2	SA13	113	2	
6	40A24	SAF13	94	62	SBF13	104	60	40A24A	84	54	SA13	114	6	SA14	114	6	
6	40A25	SAF14	95	61	SBF14	105	63	40A25A	85	67	SA14	115	6	SA15	115	6	
7	40A26	SAF15	96	78	SBF15	106	76	40A26A	86	70	SA15	116	7	SA16	116	7	
7	40A27	SAF16	97	77	SBF16	107	79	40A27A	87	73	SA16	117	7	SA17	117	7	

R2	
PART NO	VALUE
1006-75-15	200
-16	270
-17	240
-18	270
-19	300
-20	330
-21	360
-22	390
-23	420
-24	450
-25	500
-26	560
-27	620
-28	680
-29	740
-30	800
-31	900
-32	1000
-33	1100
-34	1200
-35	1300
-36	1500
-37	1600
-38	1800
-39	2000
-40	2200
-41	2400
-42	2700
-43	3000
-44	3300
-45	3600
-46	3900
-47	4200
-48	4500
1006-75-49	5700





R15		R18	
PART NO.	VALUE	PART NO.	VALUE
1006750 - 1	\$1	1006750 - 2	\$0
- 2	\$6	- 26	\$6
- 3	\$2	- 27	\$2
- 4	\$8	- 28	\$8
- 5	\$5	- 29	\$5
- 6	\$2	- 30	\$2
- 7	\$1	- 31	\$1
- 8	\$0	- 32	\$0
- 9	\$3	- 33	\$3
- 10	\$120	- 34	\$120
- 11	\$12	- 35	\$12
- 12	\$150	- 36	\$150
- 13	\$60	- 37	\$60
- 14	\$8	- 38	\$8
- 15	\$2	- 39	\$2
- 16	\$20	- 40	\$20
- 17	\$25	- 41	\$25
- 18	\$40	- 42	\$40
- 19	\$50	- 43	\$50
- 20	\$35	- 44	\$35
- 21	\$60	- 45	\$60
- 22	\$90	- 46	\$90
- 23	\$30	- 47	\$30
- 24	\$70	- 48	\$70
- 25	\$40	- 49	\$40
1006750 - 50	\$10	1006750 - 50	\$10

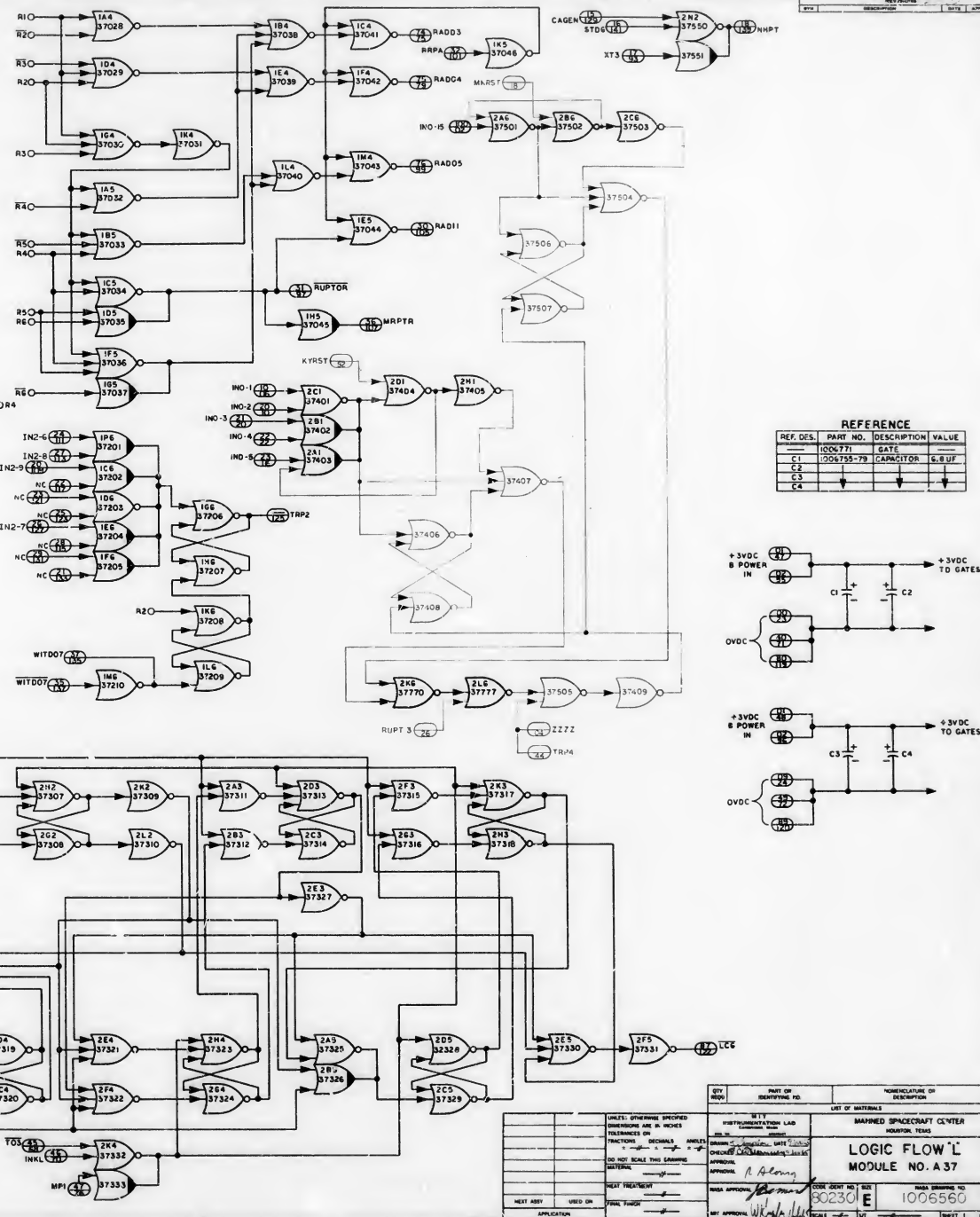
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. UNLESS OTHERWISE SPECIFIED,
RESISTOR VALUES ARE IN OHMS
CAPACITOR VALUES ARE IN MICROFARADS
3. THE VALUE OF R3, R11, R15, R19 TO BE DETERMINED BY ELECTRICAL TEST. SEE TABLES II AND III
4. CIRCUIT NO. 40420 THRU 40427 AND 40428 TO BE IN MODULE B14
5. CIRCUIT NO. 40410 THRU 40417 AND 40418 TO BE IN MODULE B13

REF DWG 1003463 ERASABLE SENSE
AMPL MODULE ASSY[illegible]

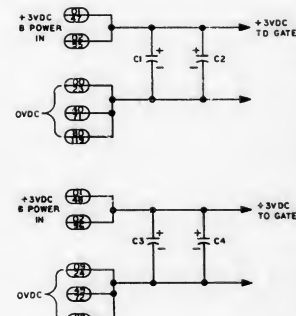


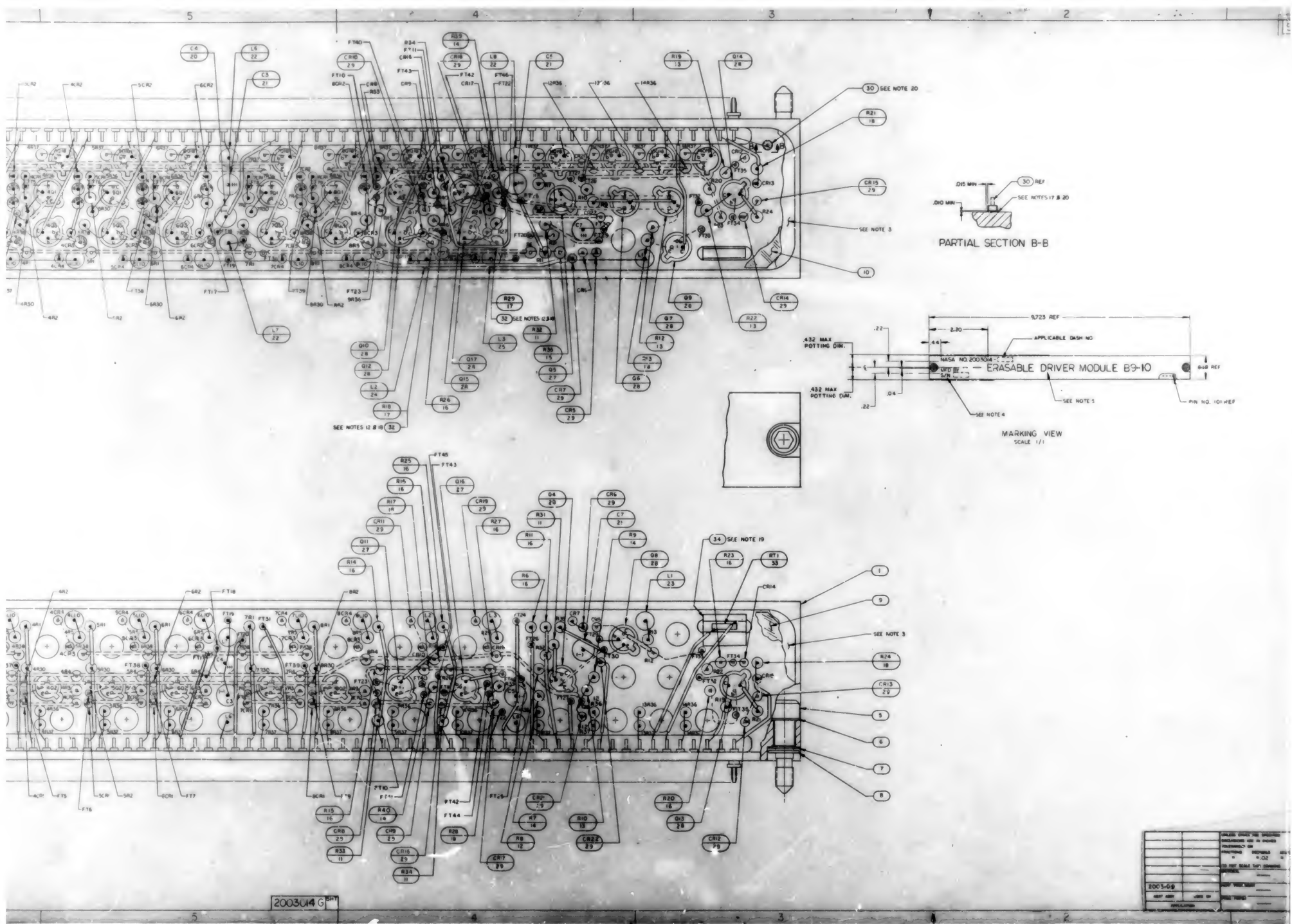
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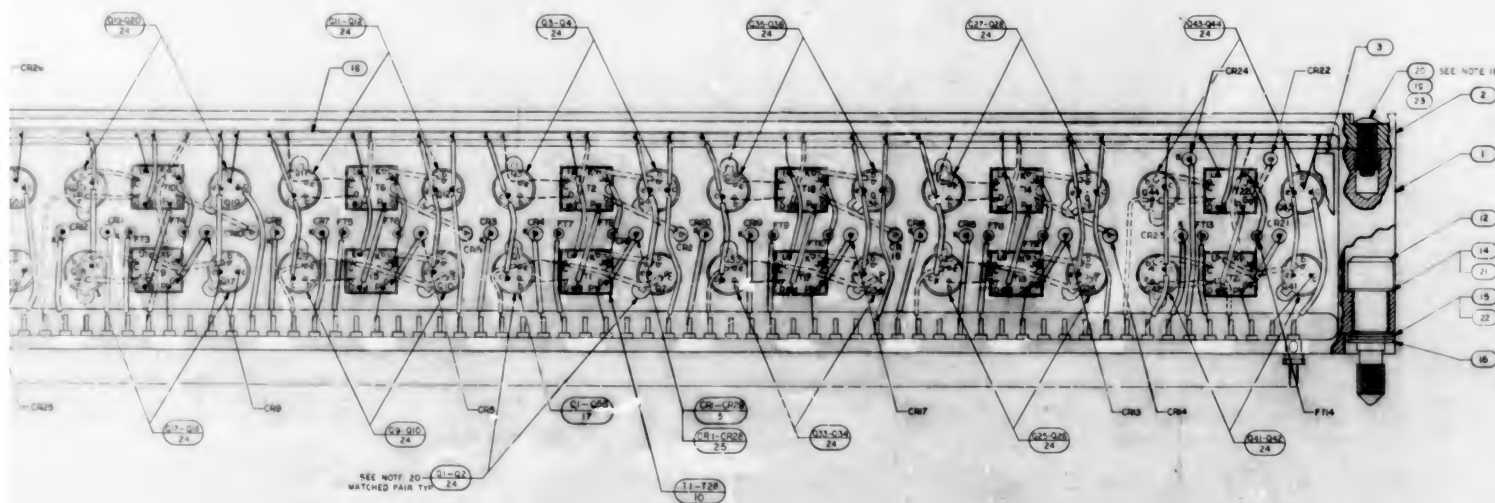
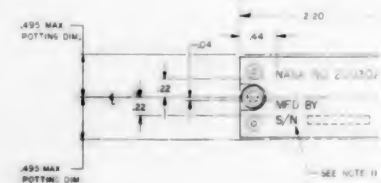
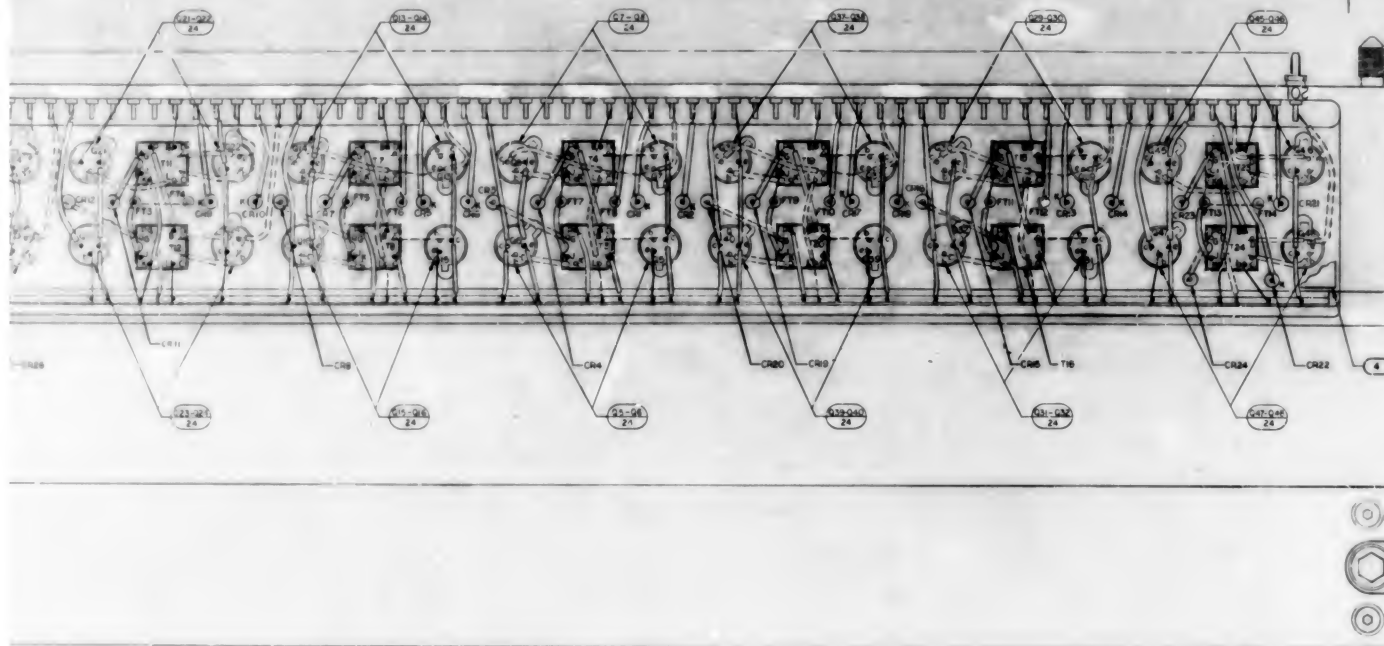
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. SEE DRAWING NO. 1006013 FOR LOGIC DESIGN CRITERIA
3.  DENOTES AGC 4 PIN NO.
 DENOTES AGC 5 PIN NO.
4.  DENOTES AGC 4 CIRCUIT NO.
 DENOTES AGC 5 CIRCUIT NO.

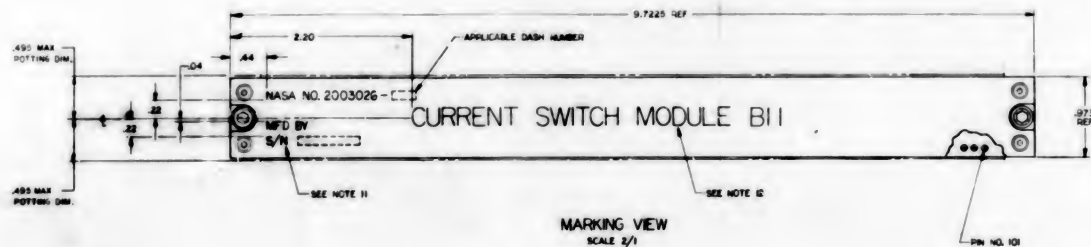
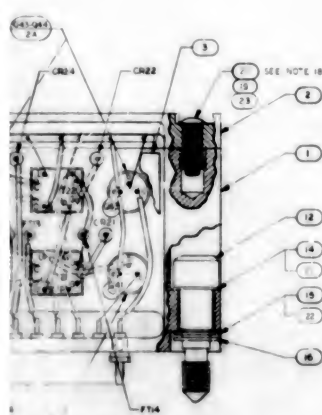
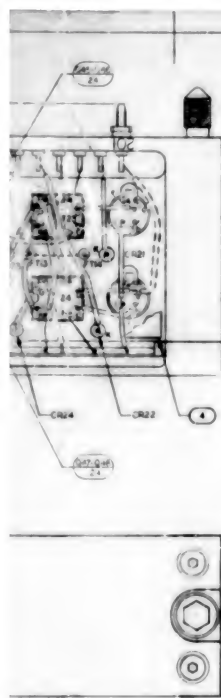


REFERENCE			
REF. DES.	PART NO.	DESCRIPTION	VALUE
—	1006771	GATE	—
C1	1006755-79	CAPACITOR	6.8UF
C2	↓	↓	↓
C3	↓	↓	↓
C4	↓	↓	↓

[illegible]





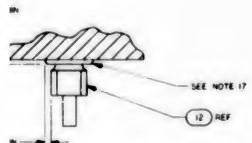
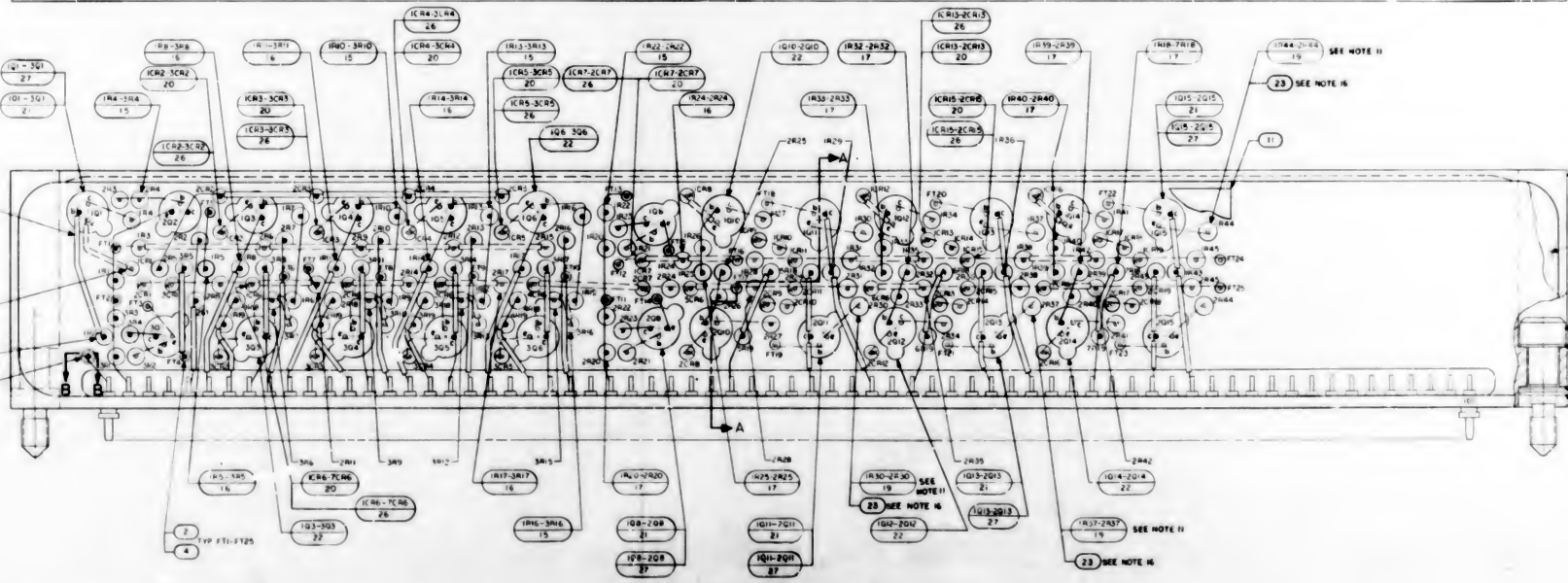
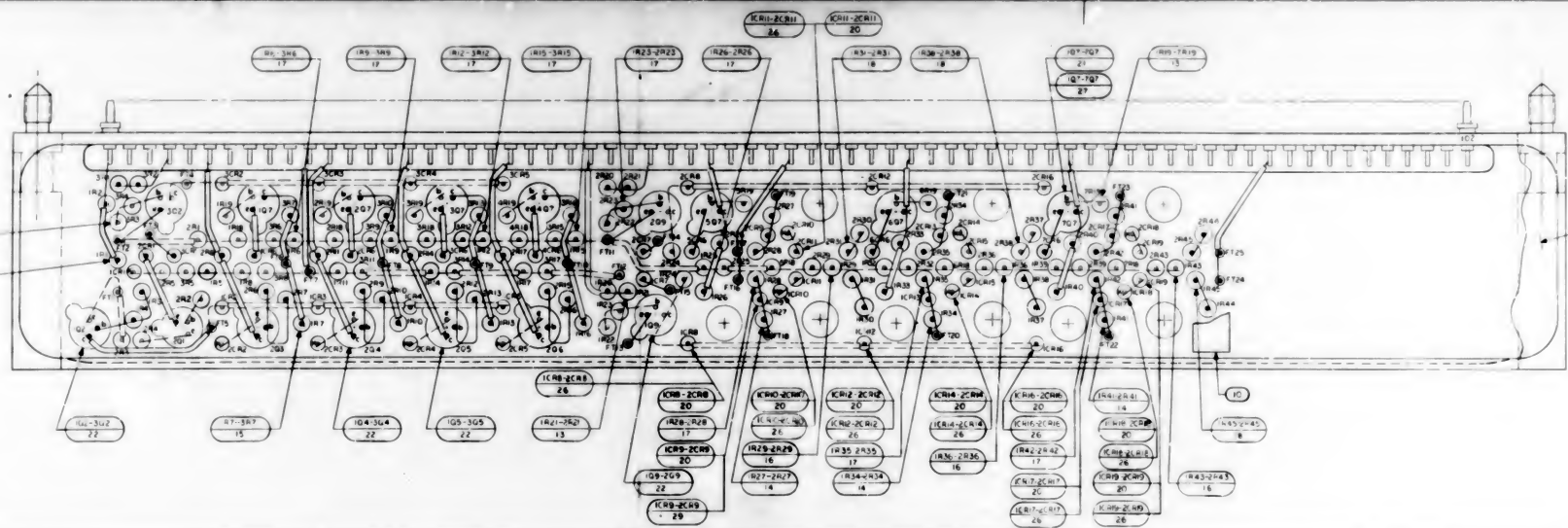


REV	DESCRIPTION	DATE	BY	CHK
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C	REVISED PER TOUR 2744	11/11/60	WLL	WLL
D	REVISED PER TOUR 2744	11/11/60	WLL	WLL
E	REVISED PER TOUR 2744	11/11/60	WLL	WLL
F	REVISED PER TOUR 2744	11/11/60	WLL	WLL
G	REVISED PER TOUR 2744	11/11/60	WLL	WLL
H	REVISED PER TOUR 2744	11/11/60	WLL	WLL
I	REVISED PER TOUR 2744	11/11/60	WLL	WLL
J	REVISED PER TOUR 2744	11/11/60	WLL	WLL
K	REVISED PER TOUR 2744	11/11/60	WLL	WLL
L	REVISED PER TOUR 2744	11/11/60	WLL	WLL
M	REVISED PER TOUR 2744	11/11/60	WLL	WLL
N	REVISED PER TOUR 2744	11/11/60	WLL	WLL
O	REVISED PER TOUR 2744	11/11/60	WLL	WLL
P	REVISED PER TOUR 2744	11/11/60	WLL	WLL
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R	REVISED PER TOUR 2744	11/11/60	WLL	WLL
S	REVISED PER TOUR 2744	11/11/60	WLL	WLL
T	REVISED PER TOUR 2744	11/11/60	WLL	WLL
U	REVISED PER TOUR 2744	11/11/60	WLL	WLL
V	REVISED PER TOUR 2744	11/11/60	WLL	WLL
W	REVISED PER TOUR 2744	11/11/60	WLL	WLL
X	REVISED PER TOUR 2744	11/11/60	WLL	WLL
Y	REVISED PER TOUR 2744	11/11/60	WLL	WLL
Z	REVISED PER TOUR 2744	11/11/60	WLL	WLL

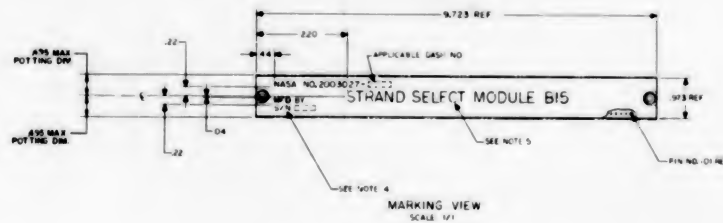
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99	2003026-99	11/11/60	WLL	WLL
100	2003026-100	11/11/60	WLL	WLL

2003026		H	
CURRENT SWITCH MODULE ASSEMBLY B11			
80230 J 2003026			

2003027 H



ARTIAL SECTION B-B
SCALE 10/1

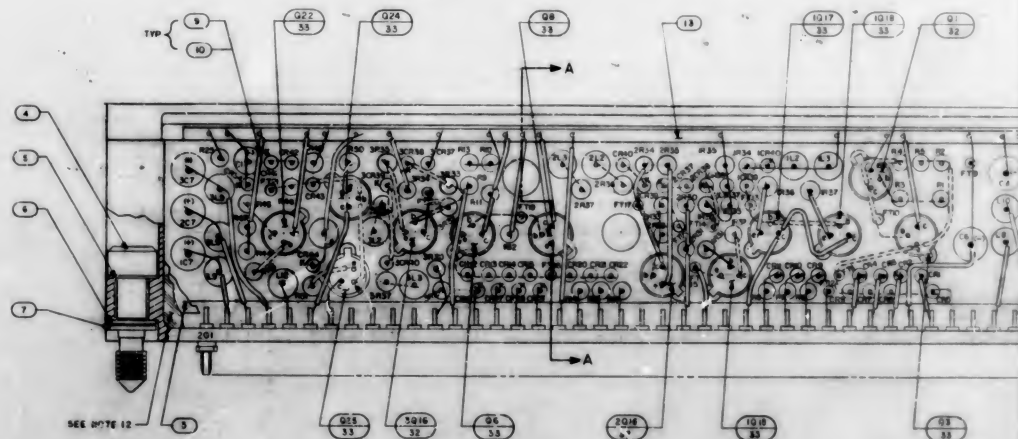
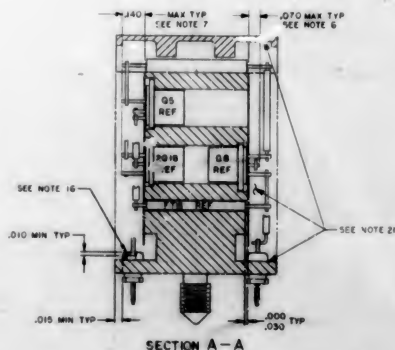


DATE	DESCRIPTION	DATE	DESCRIPTION
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B	REVISED PER YEAR 18799		
C	REVISED PER YEAR 20097		
D	REVISED PER YEAR 22652		
E	REVISED PER YEAR 27359		
F	REVISED PER YEAR 29160		
G	REVISED PER YEAR 29217		
H	REVISED PER YEAR 32548		

X	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

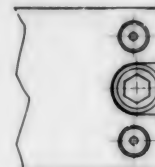
[illegible]

R29,R50,R51		
PART NO.	NO.	VALUE
R06788	-51	1.5
	-53	1.6
	-16	1.7
	-18	1.8
	-20	1.9
	-22	2.0
	-24	2.1
	-26	2.2
	-28	2.3
	-15	2.4
	-29	2.5
	-30	2.6
	-31	2.7
	-32	2.8
	-73	2.75
	-72	2.65
	-71	2.55
	-70	2.45
	-69	2.35
	-27	2.25
	-25	2.15
	-23	2.05
	-21	1.95
	-19	1.85
	-17	1.75
	-14	1.65
R06788	-52	1.55



2003040

C

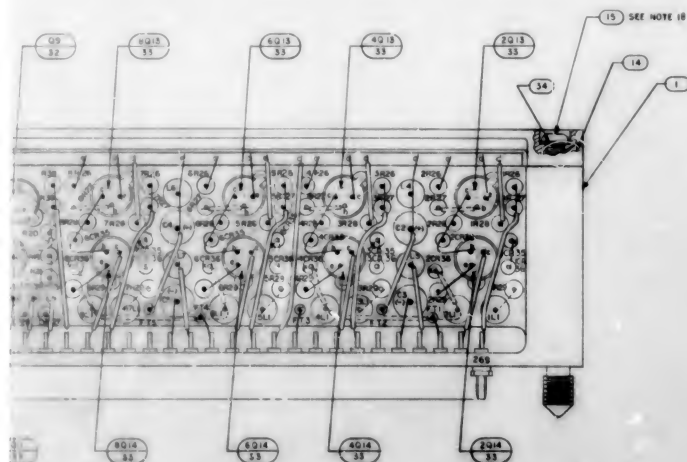
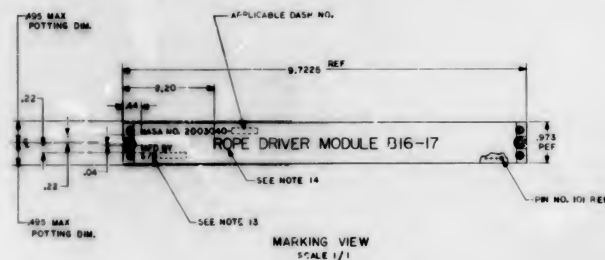
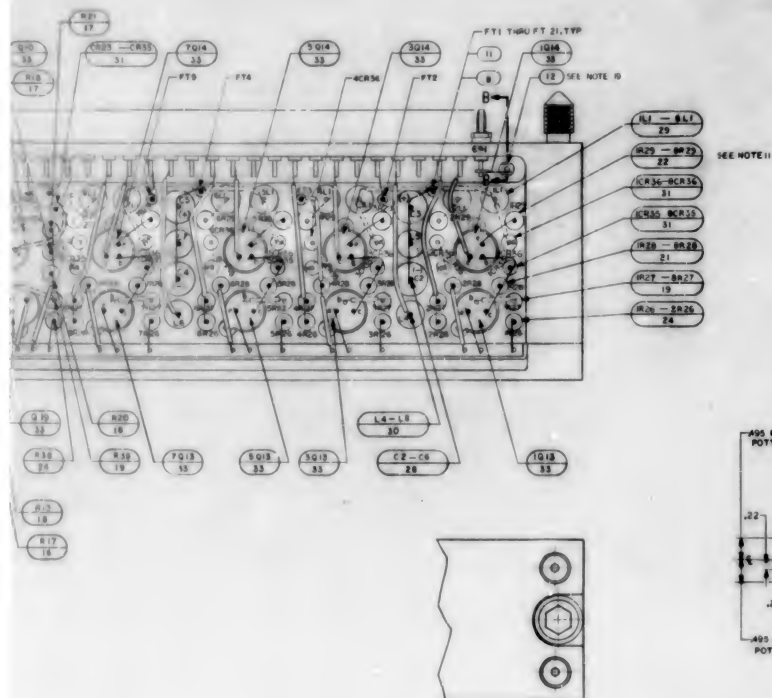


SEE NOTE 1

MARKING VIEW
SCALE 1/1

2003040

C

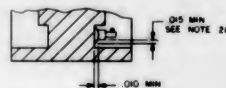


X	200900	SCHEMATIC	REV
4	NA5420-2	WASHER, PLAT	34
39	2004004-031	TRANSISTOR, BOTTED	33
40	2004004-008	TRANSISTOR, BOTTED	33
5	1014464-1	WRENCH	30
9	1014464-7	COIL, BR, CHORE	30
16	1014464-8	CAP, BR, CHORE	30
17	1014464-9	CAP, BR, CHORE	30
1	106755-65	CRISTATOR	87
4	106756-7	RESISTOR	87
5	106756-10	RESISTOR	87
21	1067580-49	RESISTOR	84
6	1067580-11	RESISTOR	83
8	1067580-13	RESISTOR	83
10	1067580-22	RESISTOR	83
12	1067580-43	RESISTOR	83
22	1067580-55	RESISTOR	83
9	1067590-39	RESISTOR	80
16	106760-70	RESISTOR	77
4	106760-88	RESISTOR	16
4	106763-10	SCREW, BUTTON HEAD, ROKET	15
2	20042-01	SCREW	6
2	20042-01	MATRIX ASSEMBLY	6
20	200430	TERMINAL, TREADED	12
2	106776-29	INSULATION, SLEEVEING	10
4	106776-21	INSULATION, SLEEVEING	10
1	106795-11	WIRE, ELECTRICAL	9
4	20075-5	WIRE, ELECTRICAL	8
2	1061463-615	ROD, INS. ANNEAL, EXTERNAL	1
2	1067448-5	WIRE, ELECTRICAL	6
2	1067448-11	WIRE, ELECTRICAL	6
1	1067479-1	TERMINAL, BULKHEAD	4
1	1064479-011	WIRE, ELECTRICAL	3
1	1064479-011	WIRE, ELECTRICAL	2
1	200322-1	PLATE, MOUNTING ASSEMBLY	1

[illegible]

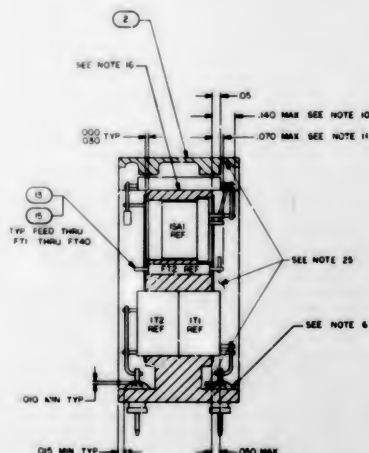
R9, R10		
PART NO	VALUE	
1006750-25	510	
-26	540	
-27	600	
-28	650	
-29	750	
-30	850	
-31	910	
-32	1K	
-33	1.1K	
-34	2K	
-35	3K	
-36	1.5K	
-37	1.6K	
-38	1.8K	
-39	2.2K	
-40	2.2K	
-41	2.4K	
-42	2.7K	
-43	3.0K	
-44	3.3K	
-45	3.6K	
-46	3.9K	
-47	4.3K	
-48	4.7K	
-49	5.1K	
-50	5.6K	
-51	6.2K	
-52	6.8K	
-53	7.5K	
-54	8.2K	
-55	9.1K	
-56	10K	
-57	11K	
-58	12K	
-59	13K	
-60	15K	
-61	18K	
-62	20K	
-63	22K	
-64	24K	
-65	27K	
-66	30K	
-67	33K	
-68	36K	
-69	39K	
-70	43K	
-71	47K	
-72	51K	
-73	56K	
-74	62K	
-75	68K	
-76	75K	
-77	82K	
-78	91K	
-79	100K	
-80	110K	
-81	120K	
-82	130K	
-83	150K	
-84	180K	
-85	200K	
-86	220K	
-87	240K	
-88	270K	
-89	300K	
-90	330K	
-91	360K	
-92	390K	
-93	430K	
-94	470K	

R23, R27, R32		
PART NO	VALUE	
1006750-32	1K	
-33	1.1K	
-34	1.5K	
-35	1.6K	
-36	1.8K	
-37	2.2K	
-38	2.2K	
-39	2.4K	
-40	2.7K	
-41	3.0K	
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-53	9.1K	
-54	10K	
-55	11K	
-56	12K	
-57	13K	
-58	15K	
-59	18K	
-60	20K	
-61	22K	
-62	24K	
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-67	39K	
-68	43K	
-69	47K	
-70	51K	
-71	56K	
-72	62K	
-73	68K	
-74	75K	
-75	82K	
-76	91K	
-77	100K	
-78	110K	
-79	120K	
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-84	220K	
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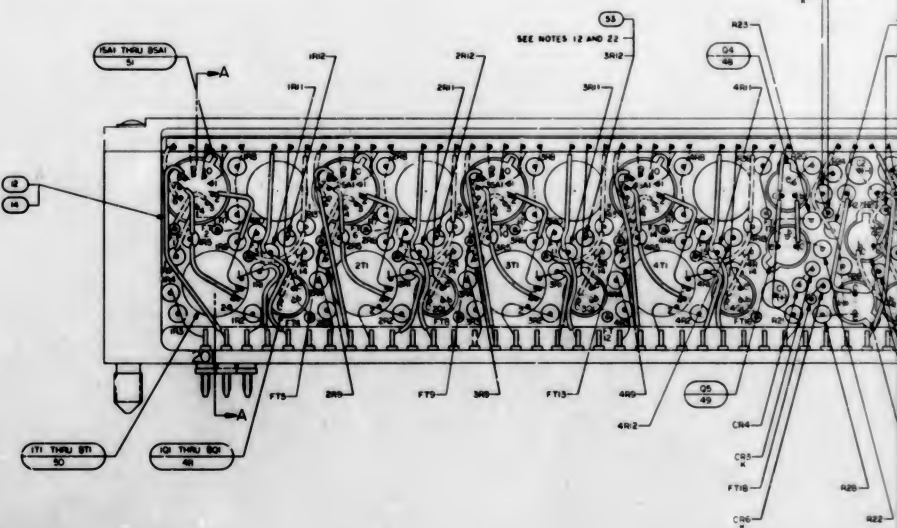
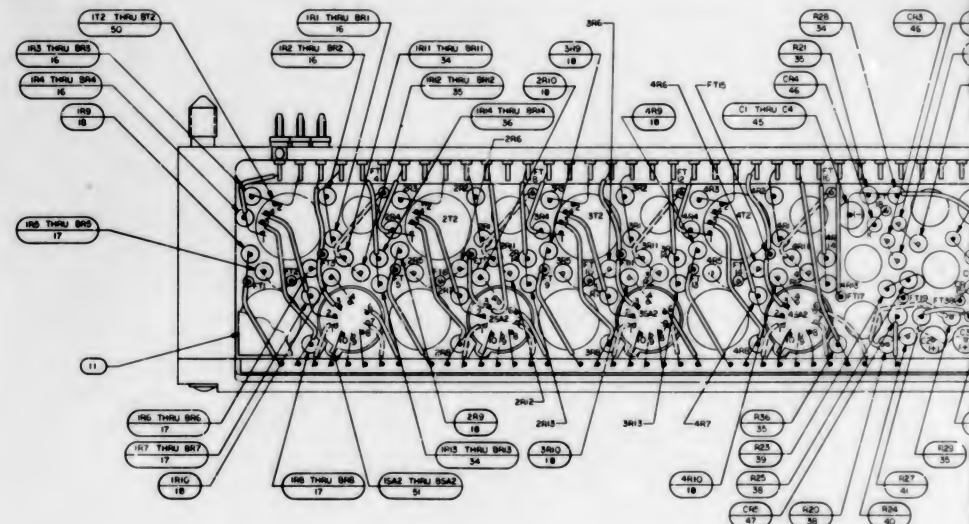


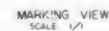
SECTION B-B

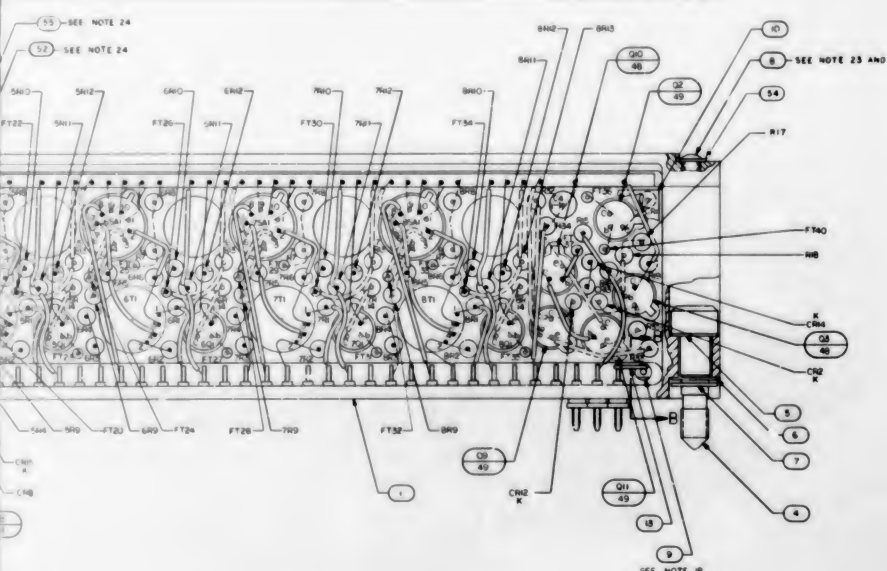
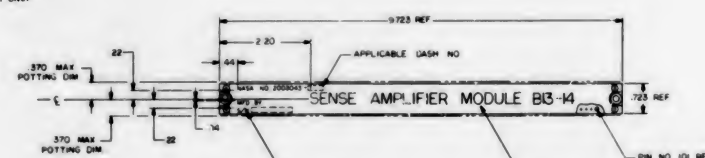
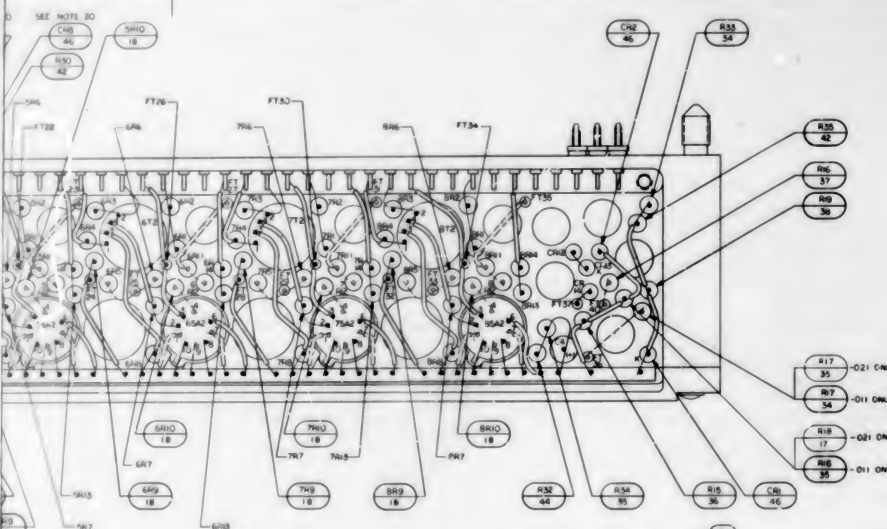
- NOTES:
- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70527
 - AR DENOTES AS REQUIRED
 - FT DENOTES FEED THRU
 - (H) DENOTES POSITIVE SIDE OF CAPACITOR
 - X DENOTES CATHODE SIDE OF DIODE
 - SEAL INSULATORS AND TERMINALS TO HEADER PER NDI002004, TYPE III
 - MARK 10/08 HIGH WHITE CHARACTERS PER NDI002009 AND NDI002122, TYPE II, CLASS 2 AND SERIALIZE PER NDI002013 USING INK J00627H-1
 - MARK 25/08 HIGH WHITE CHARACTERS PER NDI002009 AND NDI002122, TYPE II, CLASS 2 USING INK J00627H-1
 - UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH NDI002009
 - BLACK DOT AND SINGLE SOLID LEADS INDICATE UPPER LEVEL WIRING
 - WHITE DOT AND SINGLE DOTTED LEADS INDICATE LOWER LEVEL WIRING
 - SELECT R9 AND R23 NET AND R32 PER APPLICABLE R9 FROM APPROPRIATE CHART
 - STAR FIND NO 6 THRU FIND NO 51 TO FIND NO 1 PER NDI002009 METHOD C OR D
 - ENCAPSULATE PER NDI002002 REMOVE FLASHING
 - WELD PER NDI002005
 - BOND FIND NO 3 TO FIND NO 1 PER NDI002004, TYPE I
 - TRIM UNUSED LEAD OF FIND NO 51 .010/.030 FROM CASE
 - MOUNTING TORQUE FOR FIND NO 9 TO BE 15-20 INCH OUNCES
 - COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF R9, R23, R32
 - CR7 B IS AND CR2 IS IN ARE TO BE SELECTED BY ELECTRICAL TEST ONE TWO OR THREE DIODES WILL BE SELECTED IN EACH AREA IF LESS THAN THREE DIODES ARE REQUIRED FIND NOS 13 AND 15 WILL BE USED IN THE REMAINING COMPONENT HOLES AND WIRING WILL BE COMPLETED AS SHOWN
 - SEAL FIND NO 9 TO HEADER PER NDI002004, TYPE III
 - ASSEMBLE FIND NO 53 TO MODULE AFTER SELECTED VALUE HAS BEEN DETERMINED
 - MOUNTING TORQUE FOR FIND NO 8 TO BE 2.0-2.5 INCH POUNDS
 - USE FIND NO 52 & FIND NO 54 WHERE APPLICABLE ON ALL FIRST LEVEL WIRING TO THE MATRIX
 - COAT INDICATED SURFACES BOTH ENDS TOP AND BOTTOM, BOTH SIDES PER NDI002147, TYPE II
 - APPLY MIL-S-22473, GRADE HV TO FIND NO 8



SECTION A-A

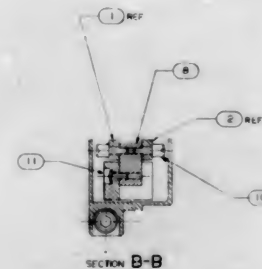






REV	DESCRIPTION	DATE	BY	CHKD
1	REVISED PER YDWR 20043	11/17/77	AW	AW
2	REVISED PER YDWR 22047	11/17/77	AW	AW
3	REVISED PER YDWR 23041	11/17/77	AW	AW
4	REVISED PER YDWR 23040	11/17/77	AW	AW
5	REVISED PER YDWR 24046	11/17/77	AW	AW

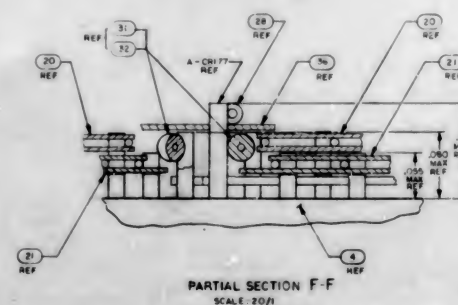
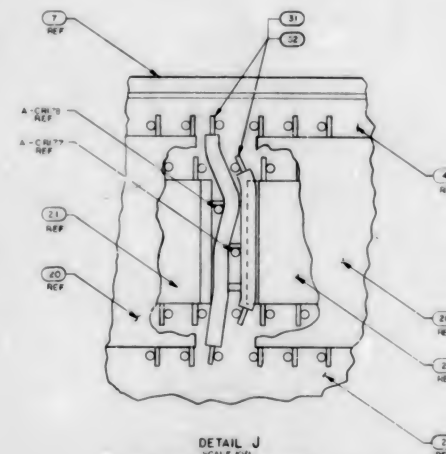
REV	DESCRIPTION	DATE	BY	CHKD
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98	2003043	11/17/77	AW	AW
99	2003043	11/17/77	AW	AW
100	2003043	11/17/77	AW	AW

[illegible]

1	205502		SUR-MATE
2	200476	1	FLAT CABLE
3	200477	1	FLAT CABLE
4	200478	1	INSULATION TAPE (ELECTRICAL)
5	200479	1	FLAT CABLE
6	200480	1	WIRELESS REMOTE
7	200481	1	FLAT CABLE INTERCONNECTION
8	200482	1	SELFING
9	200483	1	WIRELESS REMOTE
10	200484	1	FLAT CABLE
11	200485	1	FLAT CABLE
12	200486	1	FLAT CABLE
13	200487	1	FLAT CABLE
14	200488	1	FLAT CABLE
15	200489	1	FLAT CABLE
16	200490	1	MATRIX ASST
17	200491	1	MATRIX ASST
18	200492	1	MATRIX ASST
19	200493	1	MATRIX ASST
20	200494	1	MATRIX ASST
21	200495	1	MATRIX ASST
22	200496	1	MATRIX ASST
23	200497	1	MATRIX ASST
24	200498	1	MATRIX ASST
25	200499	1	MATRIX ASST
26	200500	1	MATRIX ASST
27	200501	1	MATRIX ASST
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33	200507	1	MATRIX ASST
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35	200509	1	MATRIX ASST
36	200510	1	MATRIX ASST
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92	200566	1	MATRIX ASST
93	200567	1	MATRIX ASST
94	200568	1	MATRIX ASST
95	200569	1	MATRIX ASST

FOR APPLICABLE PART NO. SEE CHART		QTY REQD	PART OR IDENTIFYING NO.	MANUFACTURER OR DESCRIPTION
		LOT OF MATERIALS		
(OTHERS SHOWN) INCLUDE IMPROVEMENTS AND IN REVISIONS PERTAINING TO FUNCTION, DETAILS AND PARTS OF A - 12 DO NOT SCALE THIS DRAWING SYSTEM		BY J AUTHORIZED PERSONNEL AND APPROVED BY DATE APPROVED BY DATE APPROVED BY DATE		
		NAMED SPECIFICATION CENTER AIRCRAFT, TEXAS FIXED MEMORY MODULE ASSEMBLY		
SEE CHART	SEE REVISION	QUANTITY REQUIRED BY SIZE 80230 J QUANTITY REQUIRED NO. 20033053		
RETRY CARD	USED ON	FIELD NUMBER	UNIT APPROVED BY DATE UNIT APPROVED BY DATE	
APPLICATION		UNIT APPROVED BY DATE UNIT APPROVED BY DATE		

WIRE LIST			
PIN NO.	COMPONENT OR TERM. NO.	PIN NO.	COMPONENT OR TERM. NO.
1	A-11-211	31	REF
2	A-11-212	32	REF
3	A-11-213	33	REF
4	A-11-214	34	REF
5	A-11-215	35	REF
6	A-11-216	36	REF
7	A-11-217	37	REF
8	A-11-218	38	REF
9	A-11-219	39	REF
10	A-11-220	40	REF
11	A-11-221	41	REF
12	A-11-222	42	REF
13	A-11-223	43	REF
14	A-11-224	44	REF
15	A-11-225	45	REF
16	A-11-226	46	REF
17	A-11-227	47	REF
18	A-11-228	48	REF
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F 1 / 2

SH 3 / 3

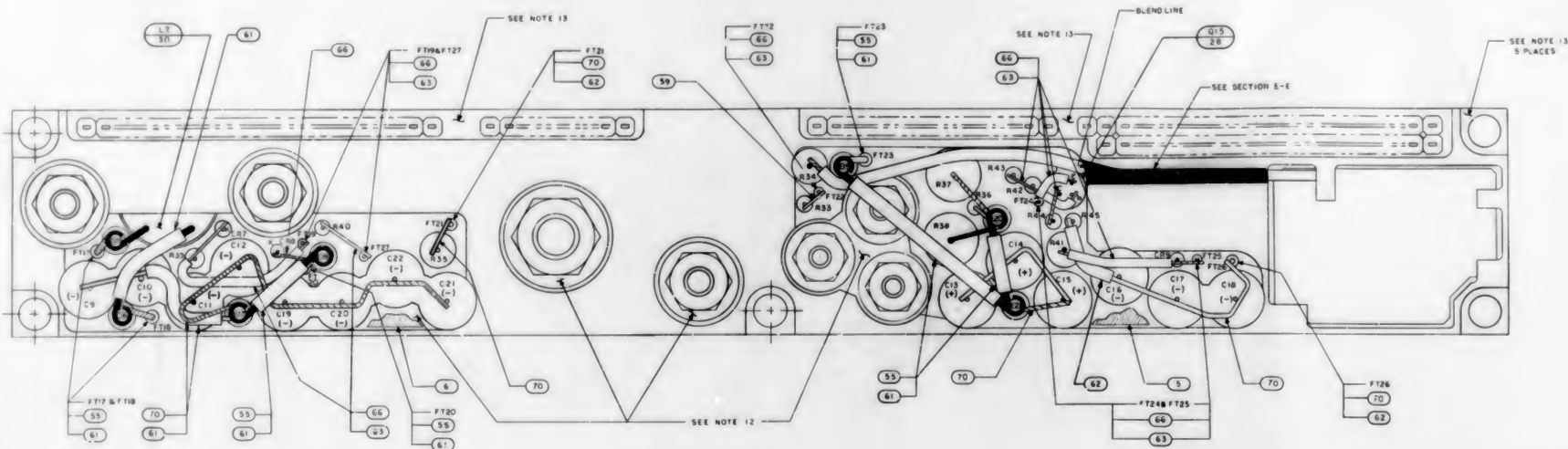
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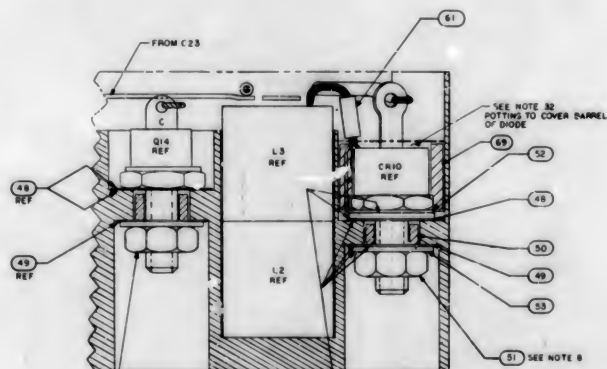
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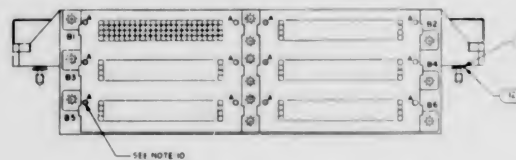


NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. WELD PER NDI002005
3. UNLESS OTHERWISE SPECIFIED, ALL WIRING SHALL BE IN ACCORDANCE WITH NDI002006
4. SOLDER PER NDI002071 USING SOLDER COMP 5N60 FORM WIRE
5. SOLID PER NDI002075, EXCEPT AS SHOWN
- 5.1 DENOTES CATHODE SIDE OF DIODE
- 5.2 DENOTES ANODE SIDE OF DIODE
- 6.1 DENOTES AS REQUIRED
7. APPLY SILICONE GREASE, 100&879, TO INDICATED AREAS OF CR6, CP10, Q9, Q10, Q11, Q12, Q14
8. MOUNTING TORQUE FOR CR6&CR10 TO BE 25/30 INCH POUNDS
9. MOUNTING TORQUE FOR Q9, Q10, Q11 TO BE 60/70 INCH OUNCES
10. MOUNTING TORQUE FOR Q12 TO BE 15/20 INCH POUNDS
11. MOUNTING TORQUE FOR Q14 TO BE 15/15 INCH POUNDS
12. ENCAPSULATE PER NDI002002, REMOVE FLASHING
13. INDICATED AREAS TO BE FREE OF ENCAPSULATION
14. STAKE FIND NO. 9 THRU 22, 27 & 28 THRU 31 PER NDI002009 METHOD C OR D
15. FT DENOTES FEED THRU
16. + DENOTES POSITIVE SIDE OF CAPACITOR
17. SEAL INSULATORS, CONTACTS AND FIND NO. 64 TO HEADPER PER NDI002004, TYPE XI
18. E DENOTES STAND-OFF
19. MARK 10/08 HIGH WHITE CHARACTERS PER NDI002019 AND NDI002122 TYPE II, CLASS 2 AND SERIALIZE PER NDI002023 USING INK 1006271-1
20. MARK 26/24 HIGH WHITE CHARACTERS PER NDI002019 AND NDI002122 TYPE II, CLASS 2 USING INK 1006271-1
21. BLACK DOT & CROSS HATCHED WIRING INDICATES UPPER LEVEL WIRING
22. BLACK DOT & SOLID BLACK WIRING INDICATES SPECIAL LEVEL WIRING
23. WHITE DOT & CLEAR WIRING INDICATES LOWER LEVEL WIRING
24. MOUNTING TORQUE FOR FIND NO. 64 TO BE 15/20 INCH OUNCES
- 25.1 ENCAPSULATE FIND NO. 2 IN FIND NO. 1 TO DIM SHOWN PER NDI002009, METHOD F
26. MOUNTING TORQUE FOR BLAND NUT OF FIND NO. 38 TO BE 40/50 INCH OUNCES
27. SELECT FIND NO. 15 & 16 PER APPLICABLE P. 5 FROM APPROPRIATE CHART
28. STAKE WIRE IN PLACE PER NDI002004, TYPE XI
29. BACKGROUND TO BE RED USING MARKING INK 1006271-9
30. MARK 10/08 HIGH WHITE PER NDI002019 & NDI002122 TYPE II, CLASS 2, USING INK 1006271-1, CENTRALIZE AS SHOWN
31. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF P. 5.2003058
32. ENCAPSULATE FIND NO. 23 TO FIND NO. 1 PER NDI002009, METHOD F

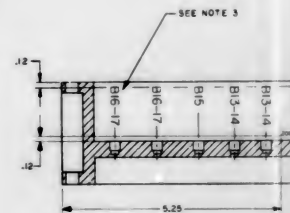
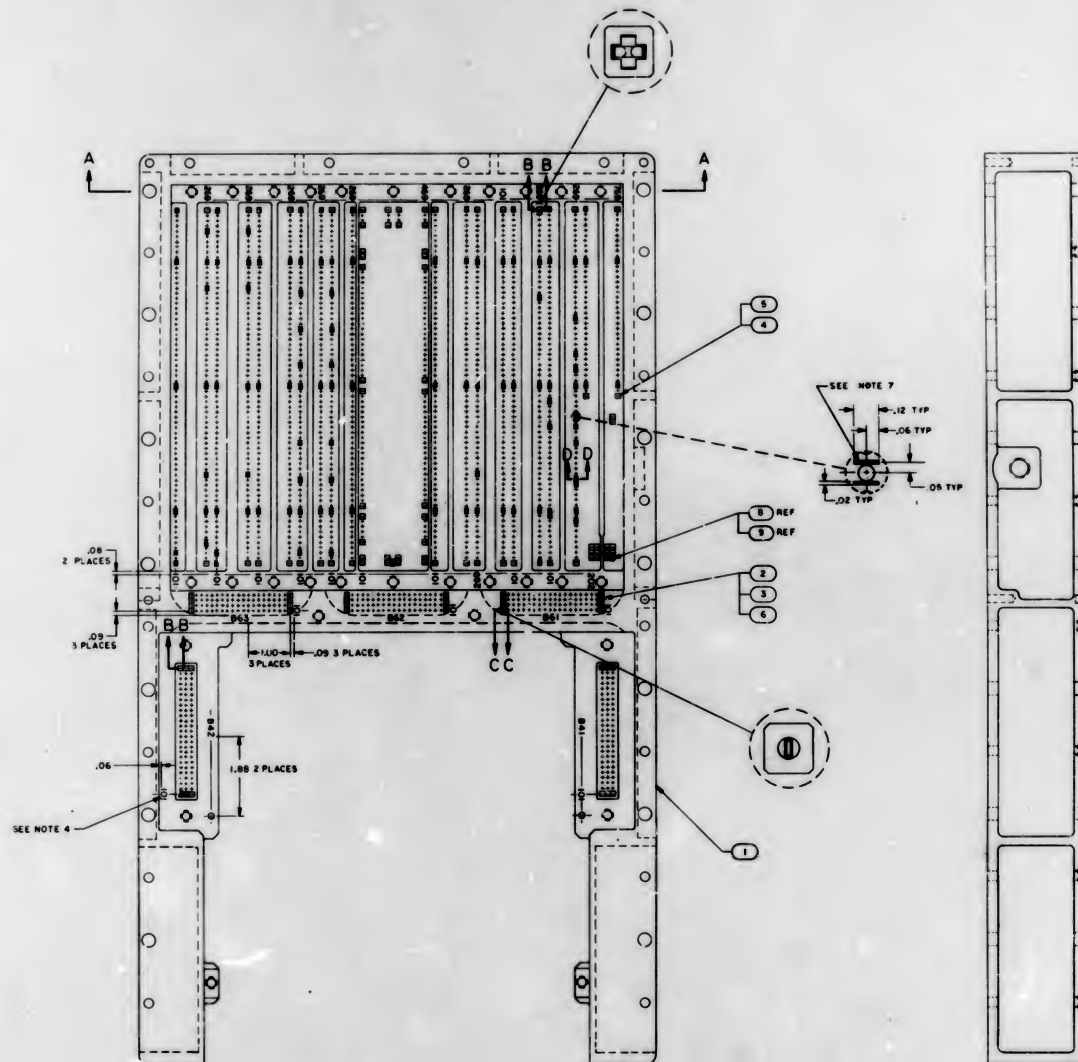
R1 & R2		
PART NO.	VALUE	
1006750-1	51	
-2	56	
-3	62	
-4	68	
-5	75	
-6	82	
-7	91	
-8	100	
-9	110	
-10	120	
-11	130	
-12	150	
-13	160	
-14	180	
-15	200	
-16	220	
-17	240	
-18	270	
-19	300	
-20	330	
-21	360	
-22	390	
-23	430	
-24	470	
1006750-25	510	



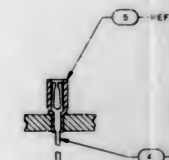
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-021	17TH JUL 13, 18, 19, 20, 21, 22, 23, 24, 25
-041	17TH JUL 13, 18, 19, 20, 21, 22, 23, 24, 25
DASH NO	APPLICABLE NOTES
NOTE ADDITION	

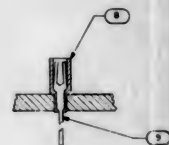
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SEC



SECTION B-B
SCALE 4/1



SECTION D-D
SCALE 4/1

- NOTES
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
 2. ASSEMBLE FIND NO. 2, 3, 4, 8 AND 9 TO FIND NO. 1 PER ND1002136
 3. MARK .77/.19 HIGH BLACK CHARACTERS PER ND1002019 AND ND1002122, TYPE II, CLASS 2, USING INK 1006271-11
 4. MARK .10/.08 HIGH BLACK CHARACTERS PER ND1002019 AND ND1002122, TYPE II, CLASS 2, USING INK 1006271-11
 5. AR DENOTES AS REQUIRED
 - 6.
 7. MARK BLACK AS SHOWN PER ND1002013 USING INK 1006271-11

2003063

G

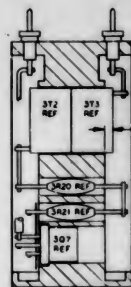
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PART NO.	VALUE
1006750-23	390
-22	430
-24	470
-25	510
-26	560
-27	610
-28	680
-29	750
-30	820
-31	910
-32	1000
-33	1100
-34	1200
-35	1300
-36	1500
-37	1600
-38	1800
1006750-39	2000

PART NO.	VALUE
1006750-75	62K
-76	68K
-77	75K
-78	82K
-79	91K
1006750-80	100K

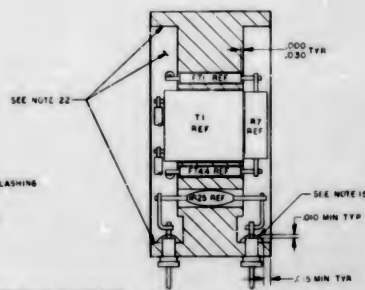
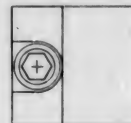
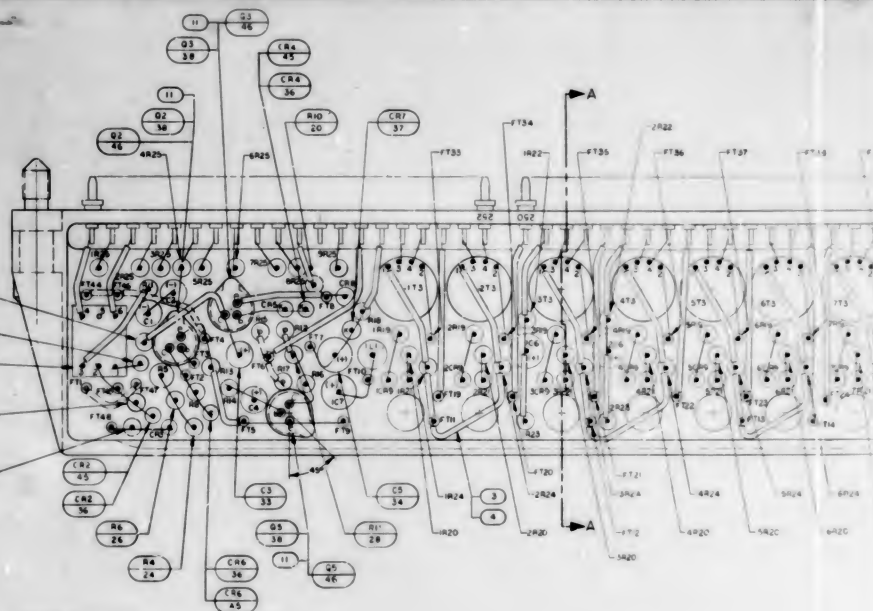
PART NO.	VALUE
1006750-18	270
-19	300
-20	330
-21	360
-22	390
-23	430
-24	470
-25	510
-26	560
-27	610
-28	680
-29	750
-30	820
-31	910
-32	1000
-33	1100
-34	1200
-35	1300
-36	1500
-37	1600
-38	1800
-39	2000

PART NO.	VALUE
1006750-611	75K
-621	82K
-631	91K
-641	100K
-651	110K
-661	120K
-671	130K
-681	150K
-691	160K
-701	180K
-711	200K
-721	220K
-731	240K
-741	270K
-751	300K
-761	330K
-771	360K
-781	390K
-791	430K
-801	470K
-811	510K
-821	560K
-831	610K
-841	680K
-851	750K
-861	820K
-871	910K
-881	1000K
-891	1100K
-901	1200K
-911	1300K
-921	1500K
-931	1600K
-941	1800K
-951	2000K
-961	2200K
-971	2400K
-981	2700K
-991	3000K

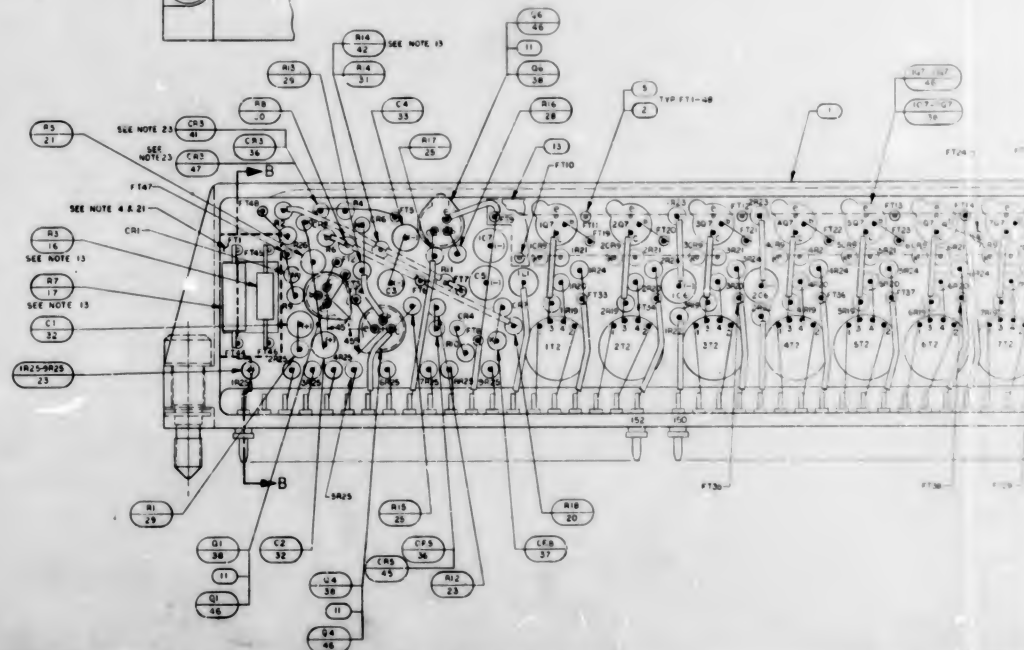


SECTION A-A

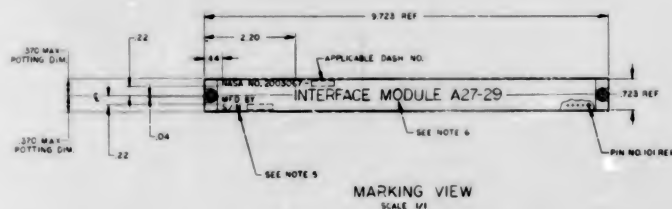
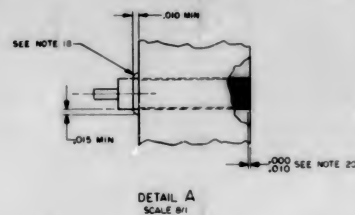
SEE NOTE 23
SEE NOTE 23
SEE NOTE 16
SEE NOTE 16



SECTION B-B



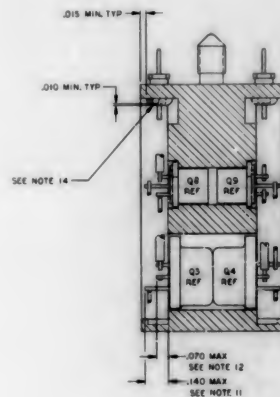
- NOTES:
- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70387
 - WELD PER NID00205
 - UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH NID00205
 - ENCAPSULATE PER NID00202 EXCEPT AREA INDICATED PER NOTE 21. REMOVE FLASHING
 - MARK 10/08 HIGH WHITE CHARACTERS PER NID00201 AND NID00222 TYPE II CLASS 2, AND SERIALIZE PER NID00203 UNLESS INDICATED OTHERWISE
 - MARK 26/24 HIGH WHITE CHARACTERS PER NID00201 AND NID00222 TYPE II CLASS 2 UNLESS OTHERWISE INDICATED
 - AR DENOTES AS REQUIRED
 - FT DENOTES FEED THRU
 - A DENOTES CATHODE SIDE OF DIODE
 - A DENOTES POSITIVE SIDE OF CAPACITOR
 - BLACK DOT AND SINGLE SOLID LEAD INDICATE UPPER LEVEL WIRING
 - WHITE DOT AND SINGLE DOTTED LEAD INDICATE LOWER LEVEL WIRING
 - THE VALUE OF THE FOLLOWING COMPONENTS TO BE DETERMINED BY ELECTRICAL TEST R2, R7 AND R4 TO BE SELECTED FROM APPROPRIATE CHART
 - TRANSFORMER COMPONENTS PER NID00209 METHOD C OR D
 - TEST INSULATORS AND TERMINALS TO HEADERS PER NID00204 TYPE III
 - TRIM UNTRIM LEADS OF FINE WIRE 39 AND 100 FROM CASE
 - COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF RS 2003067
 - SHALL FIND NO.10 TO FIND NO.11 PER NID00204 TYPE III
 - WIRING TORQUE FOR FINE WIRE TO BE 15-20 INCH OUNCES
 - FILL HOLE PER NID00203, DO NOT EVACUATE AFTER FILLING
 - INDICATED AREA TO BE ENCAPSULATED PER NID00202 AFTER SELECTION OF R3 AND R7 (SEE NOTE 13)
 - COAT INDICATED SURFACES, BOTH ENDS, TOP AND BOTTOM, BOTH SIDES PER NID00207, TYPE II
 - L1 AND C15 ARE MATCHED PAIR 2004105-002 OR 2004183-002

[illegible]

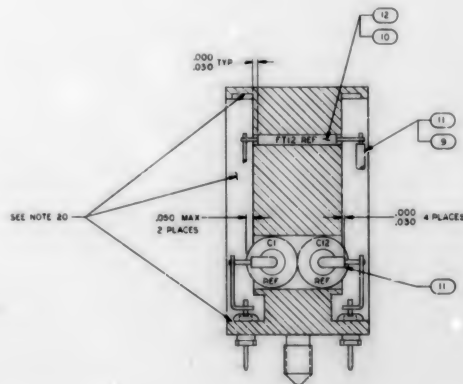
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PART NO.	VALUE
1006750-5	10
1006750-6	27
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1006750-8	68
1006750-9	91
1006750-10	110
1006750-11	130
1006750-12	150
1006750-13	160
1006750-14	180
1006750-15	200
1006750-16	240
1006750-17	440

R12	
PART NO.	VALUE
1006750-34	1500
1006750-35	1600
1006750-36	1800
1006750-37	2000
1006750-38	2200
1006750-39	2400

R94	
PART NO.	VALUE
1006750-27	620
1006750-28	820
1006750-29	1000
1006750-30	1200
1006750-31	1300
1006750-32	1500
1006750-33	1600

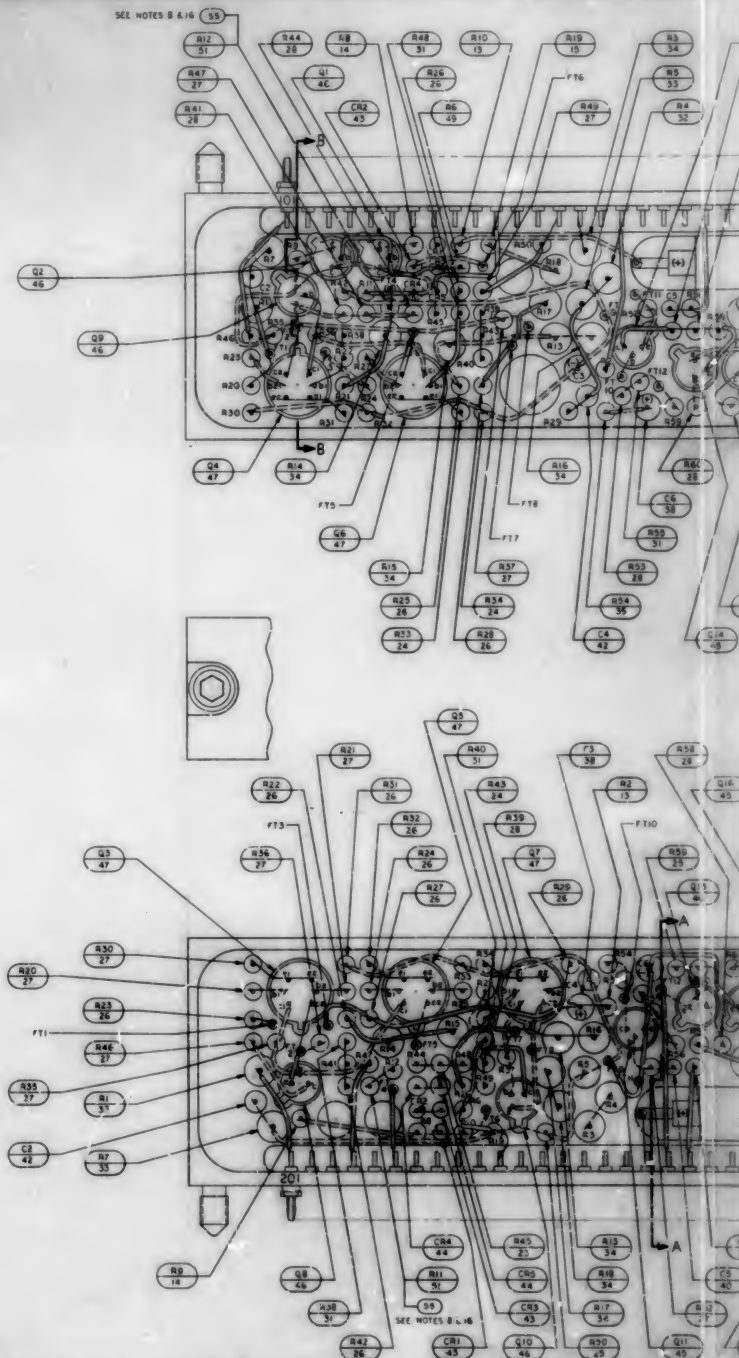


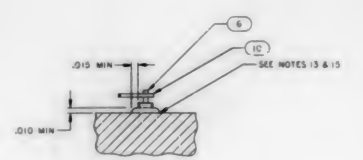
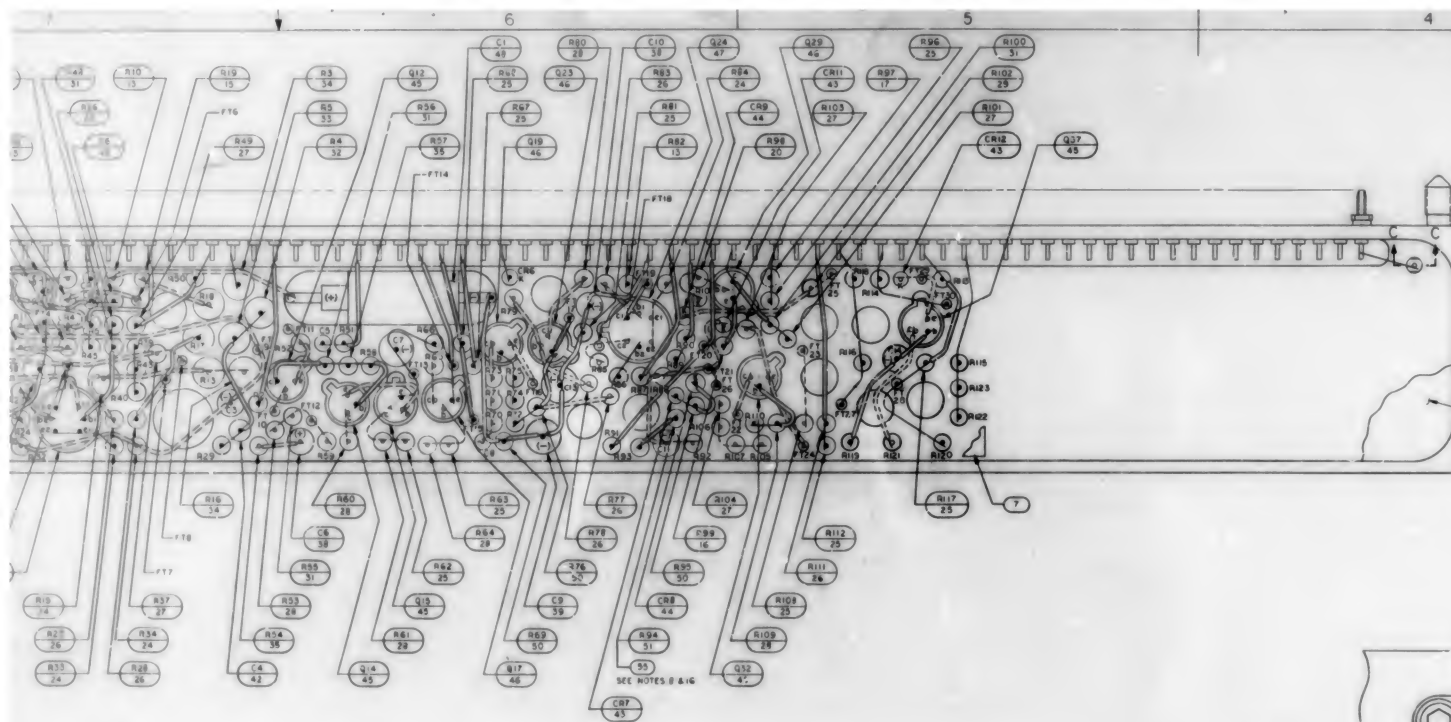
SECTION B-B
FIND NO. 7 & 8 REMOVED FOR CLARITY



SECTION A-A
FIND NO. 7 & 8 REMOVED FOR CLARITY

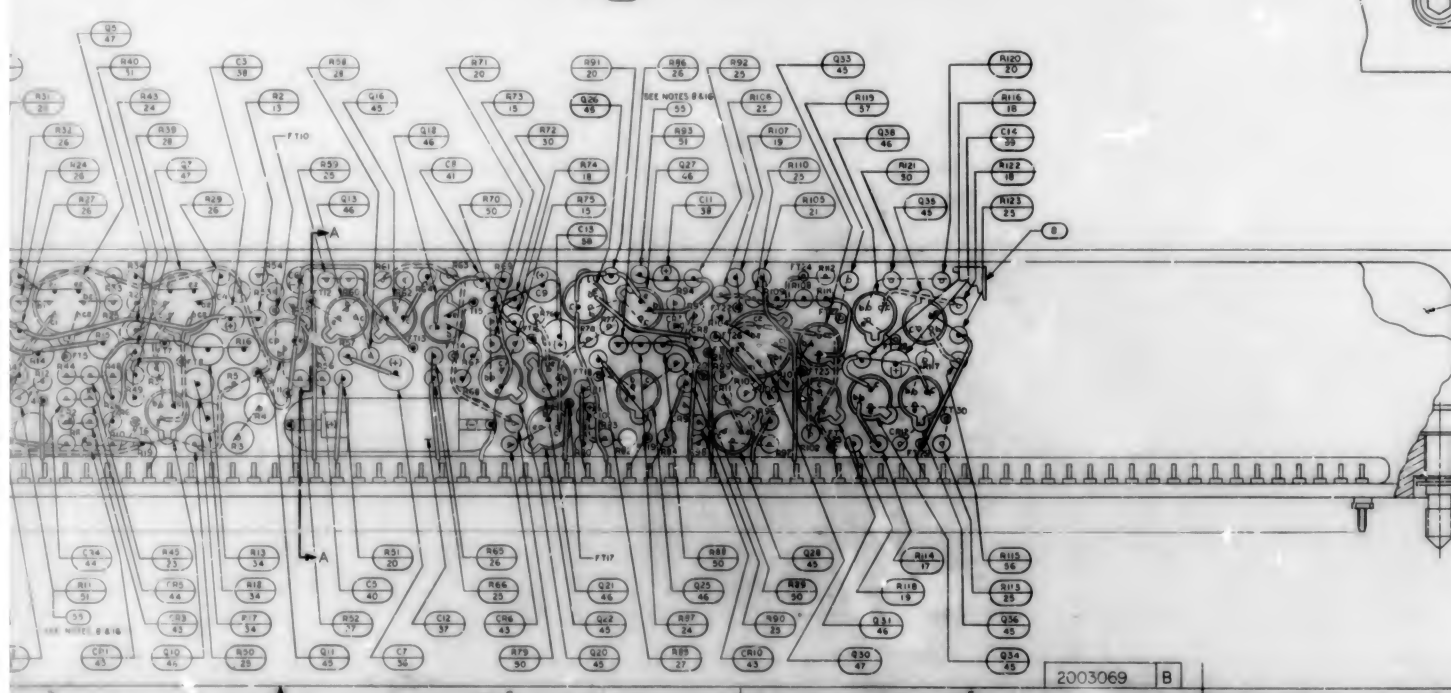
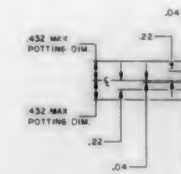
- NOTES:
- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
 - AR DENOTES AS REQUIRED
 - FT DENOTES FEED THRU
 - + DENOTES POSITIVE SIDE OF CAPACITOR
 - DENOTES CATHODE SIDE OF DIODE
 - MARK .028 HIGH WHITE CHARACTERS PER NDI002019 AND NDI002122, TYPE II, CLASS 2 AND SERIALIZE PER NDI002023 USING INK 1006271-1
 - MARK 26/28 HIGH WHITE CHARACTERS PER NDI002019 AND NDI002122, TYPE II, CLASS 2 USING INK 1006271-1
 - SELECT R11, R12, R93 AND R94 PER APPLICABLE PS FROM APPROPRIATE CHART
 - WELD PER NDI002005
 - UNLESS OTHERWISE SPECIFIED, ALL WIRING SHALL BE IN ACCORDANCE WITH NDI002068
 - BLACK DOT AND SINGLE SOLID LEADS INDICATE UPPER LEVEL
 - WHITE DOT AND SINGLE DOTTED LEADS INDICATE LOWER LEVEL WIRING
 - MOUNTING TORQUE FOR FIND NO. 6 TO BE 15-20 INCH OUNCES
 - SEAL INSULATORS AND TERMINALS TO HEADER PER NDI002004, TYPE III
 - SEAL FIND NO. 6 TO HEADER PER NDI002004, TYPE III
 - ASSEMBLY FIND NO. 55 TO MODULE AFTER SELECTED VALUE HAS BEEN DETERMINED
 - STAKE FIND NO. 13 THRU FIND NO. 51 AND FIND NO. 56 THRU FIND NO. 59 TO FIND NO. 1 PER NDI002000 METHOD C OR D
 - ENCAPSULATE PER NDI002002. REMOVE FLASHING
 - COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF PS 2003069
 - COAT INDICATED SURFACES, BOTH ENDS, TOP AND BOTTOM, BOTH SIDES PER NDI002187, TYPE II





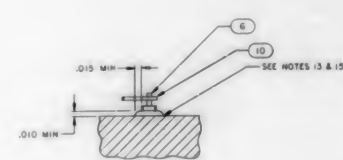
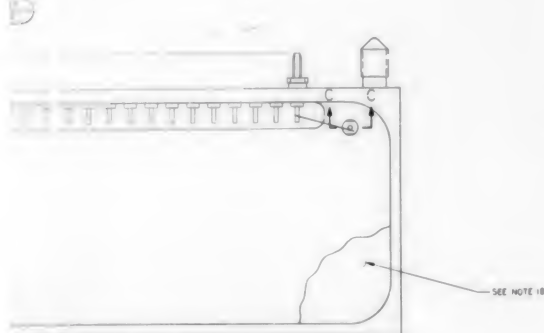
PARTIAL SECTION C-C

SEE NOTE 18



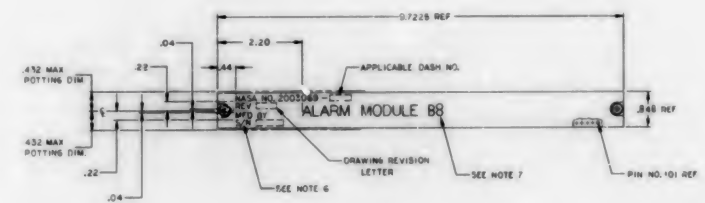
SEE NOTE 18

REVISIONS			
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B	REVISED PER YORK 21855	10/1/66	WJ

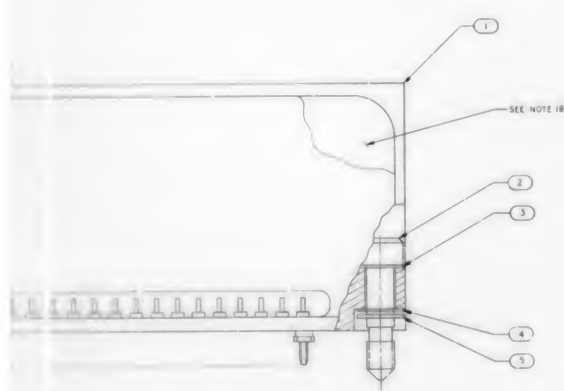


PARTIAL SECTION C-C

SEE NOTE 18



MARKING VIEW
SCALE 1/1

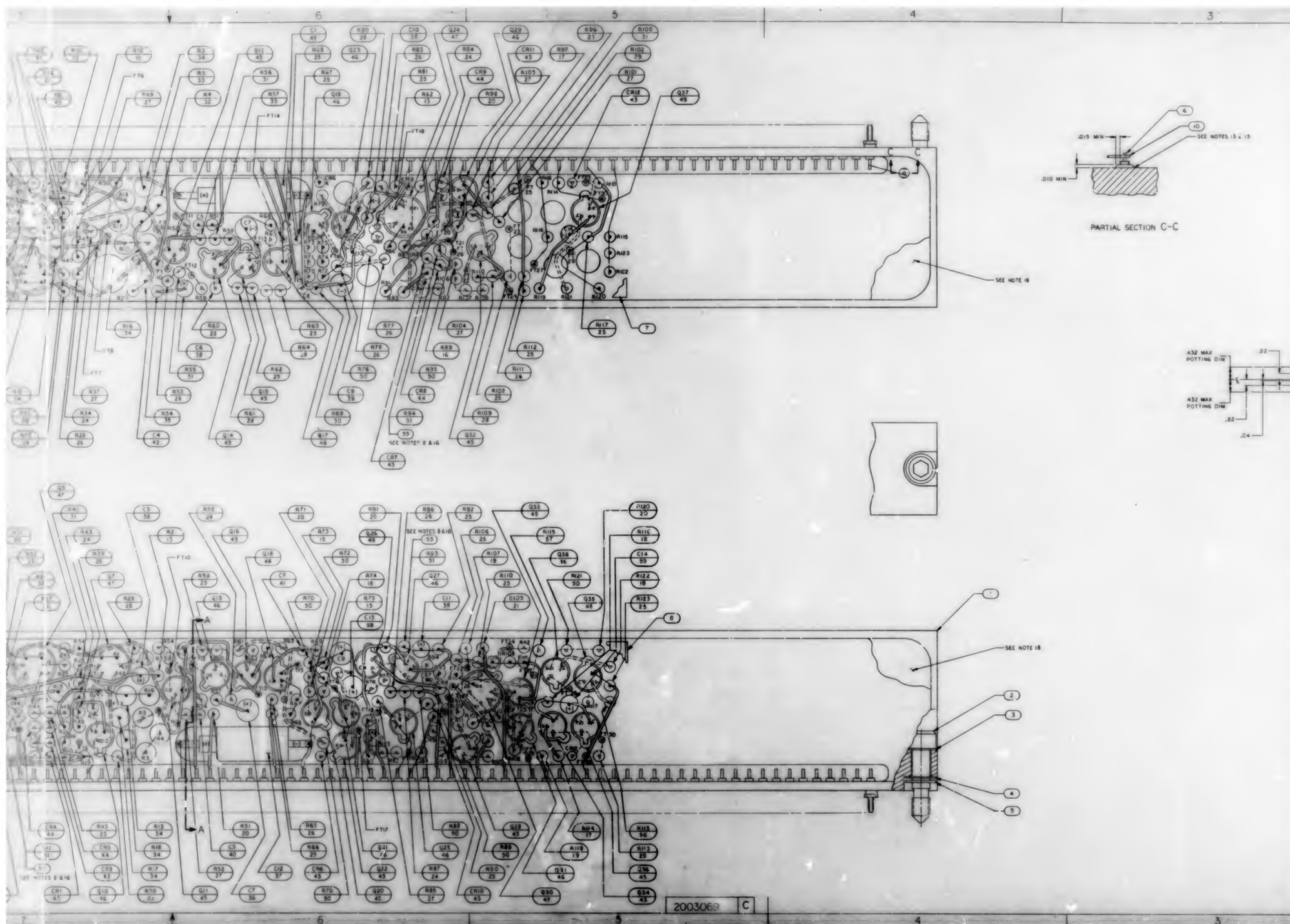


SEE NOTE 18

QTY	DESCRIPTION	REF
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1	1004750-21 CAPACITOR	59
1	1004750-80 RESISTOR	57
1	1004750-34 RESISTOR	56
4	2004074 INSULATOR WASHER	55
7	SEE NOTE 6 RESISTOR	54
7	SEE NOTE 6 RESISTOR	53
7	SEE NOTE 6 RESISTOR	52
4	SEE NOTE 6 RESISTOR	51
8	1004750-35 RESISTOR	50
1	1004750-46 RESISTOR	49
1	1004750-28 CAPACITOR	48
7	1004750-11 TRANSISTOR	47
16	2004004-020 TRANSISTOR	46
12	2004004-001 TRANSISTOR	45
4	2004112-002 DIODE	44
8	2004103-001 DIODE	43
2	1004777-28 CAPACITOR	42
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1	1004777-20 CAPACITOR	40
1	1004755-79 CAPACITOR	39
4	1004755-37 CAPACITOR	38
1	1004755-56 CAPACITOR	37
1	1004755-31 CAPACITOR	36
1	1004755-6 RESISTOR	35
7	1004777-227 RESISTOR	34
3	1004777-51 RESISTOR	33
1	1004777-50 RESISTOR	32
6	1004750-64 RESISTOR	31
1	1004750-88 RESISTOR	30
1	1004750-63 RESISTOR	29
10	1004750-53 RESISTOR	28
14	1004750-56 RESISTOR	27
17	1004750-49 RESISTOR	26
10	1004750-47 RESISTOR	25
3	1004750-45 RESISTOR	24
1	1004750-41 RESISTOR	23
1	1004750-33 RESISTOR	22
3	1004750-32 RESISTOR	21
1	1004750-30 RESISTOR	20
3	1004750-25 RESISTOR	19
2	1004750-19 RESISTOR	18
1	1004750-14 RESISTOR	17
3	1004750-8 RESISTOR	16
2	1004750-6 RESISTOR	15
3	1004750-1 RESISTOR	14
AR	1004777-28 INSULATION SLEEVING	13
AR	1004777-21 INSULATION SLEEVING	12
AR	1004750-8 W. ST. ELE.	11
AR	1004750-1 W. ST. ELE.	10
1	2004077-011 INSULATOR B ASSEMBLY	9
1	2004144 INSULATOR A	8
1	2004039 TERMINAL THREADED	7
2	M516635-4015 RING RETAINING EXTERNAL	6
2	WASHER WASHER	5
2	WASHER WASHER	4
2	WASHER WASHER	3
1	2004077-011 INSULATOR B ASSEMBLY	2
1	2004077-011 INSULATOR B ASSEMBLY	1

UNION STEELWORK SPECIALTIES ALUMINUM AND IN ALUMINUM OR OTHER VALUES ARE IN QUANTITY UNLESS NOTED TO THE CONTRACTOR		MILITARY PROPERTY PROPERTY OF THE UNITED STATES GOVERNMENT PROPERTY OF THE UNITED STATES GOVERNMENT PROPERTY OF THE UNITED STATES GOVERNMENT		MAINTENANCE CENTER ALARM MODULE B8 ASSEMBLY 20031069	
20031069	20031069	20031069	20031069	20031069	20031069

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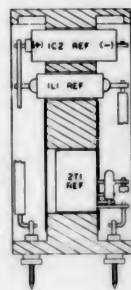


PARTIAL SECTION C-C

SEE NOTE 18

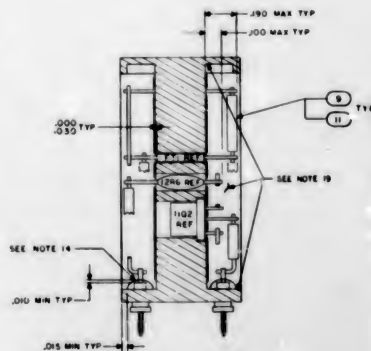
SEE NOTE 18

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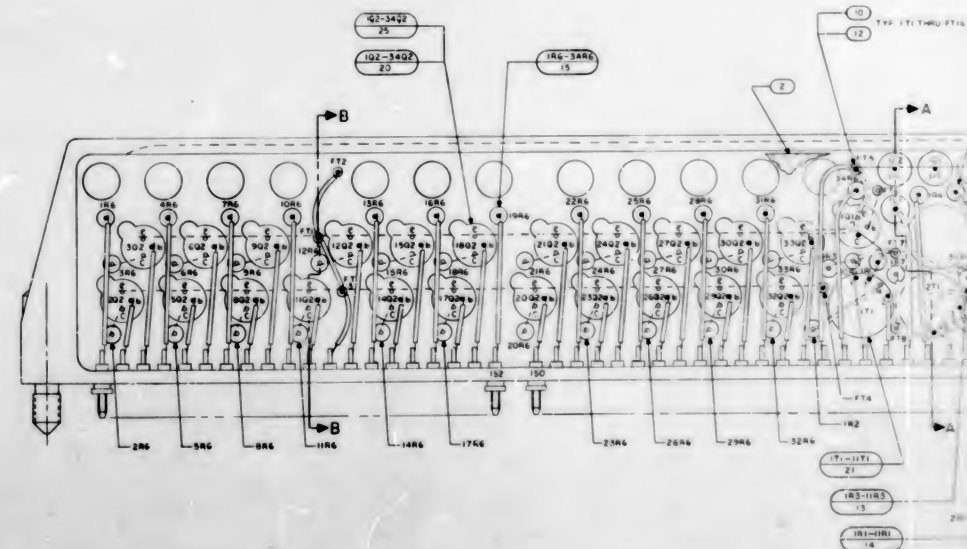
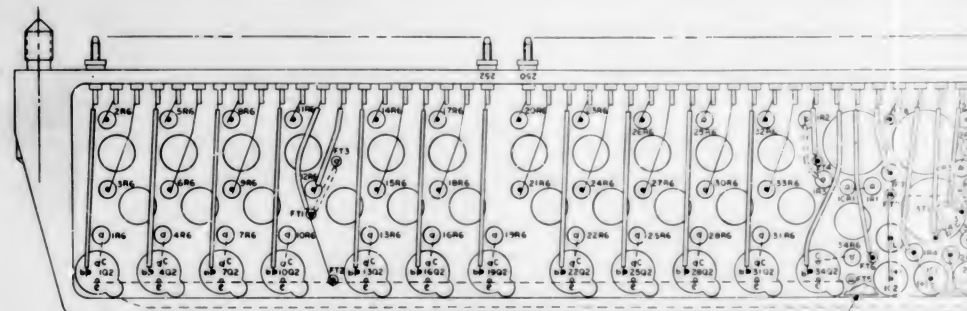


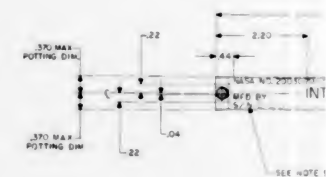
SECTION A-A

- NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
 2. WELD PER NDI002005
 3. UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH NDI002069
 4. ENCAPSULATE PER NDI002002. REMOVE ALL FLASHING
 5. MARK J02/G08 HIGH WHITE CHARACTERS PER NDI002019 AND NDI002122 TYPE II.
 6. CLASS 1 AND SERIALIZE PER NDI002023 USING INK 10-171-1
 7. MARK 26/24 HIGH WHITE CHARACTERS PER NDI002019 AND NDI002122 TYPE II.
 8. CLASS 1, USING INK 1006271-1
 9. 7.4R DENOTES AS REQUIRED
 10. 8.1T DENOTES FEED THRU
 11. 4.4 DENOTES CATHODE SIDE OF DIODE
 12. 10.4 DENOTES POSITIVE SIDE OF CAPACITOR
 13. BLACK DOT AND SINGLE SOLID LEADS INDICATE UPPER LEVEL WIRING
 14. WHITE DOT AND SINGLE DOTTED LEADS INDICATE LOWER LEVEL WIRING
 15. STAKE FIND NO. 3 THRU FIND NO. 21, 24 AND 25 PER NDI002009 METHOD C/D/O
 16. SEAL INSULATIONS AND TERMINALS TO HEADER PER NDI002004 TYPE II
 17. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF P.S. 2003070
 18. SEAL FIND NO. 8 TO FIND NO. 1 PER NDI002004, TYPE II
 19. 7. MOUNTING TORQUE FOR FIND NO. 8 TO BE 15-20 INCH-OUNCES
 20. FILL HOLE PER NDI002183. DO NOT EVALUATE AFTER FILLING
 21. (DIM INDICATED SUPPLIES); BOTH ENDS TOP AND BOTTOM, AND BOTH SIDES PER NDI002187, TYPE II

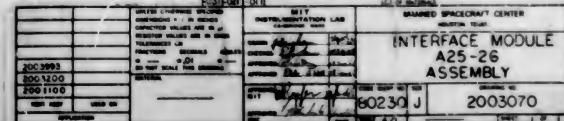


SECTION B-B





TC

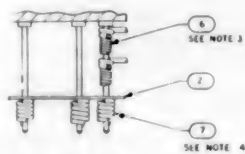
4



2003071

A

REV	REVISED PER	DATE	BY	CHKD	APP'D
1	REVISED PER TDR 22418	10/2/71	W. J. W.	W. J. W.	W. J. W.
2	REVISED PER TDR 23216	10/2/71	W. J. W.	W. J. W.	W. J. W.
3	REVISED PER TDR 24495	10/2/71	W. J. W.	W. J. W.	W. J. W.
4	REVISED PER TDR 25485	10/2/71	W. J. W.	W. J. W.	W. J. W.
5	REVISED PER TDR 27082	10/2/71	W. J. W.	W. J. W.	W. J. W.

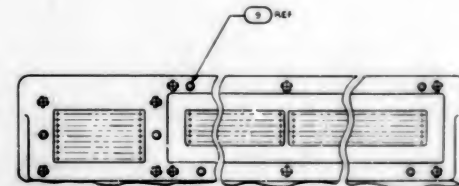
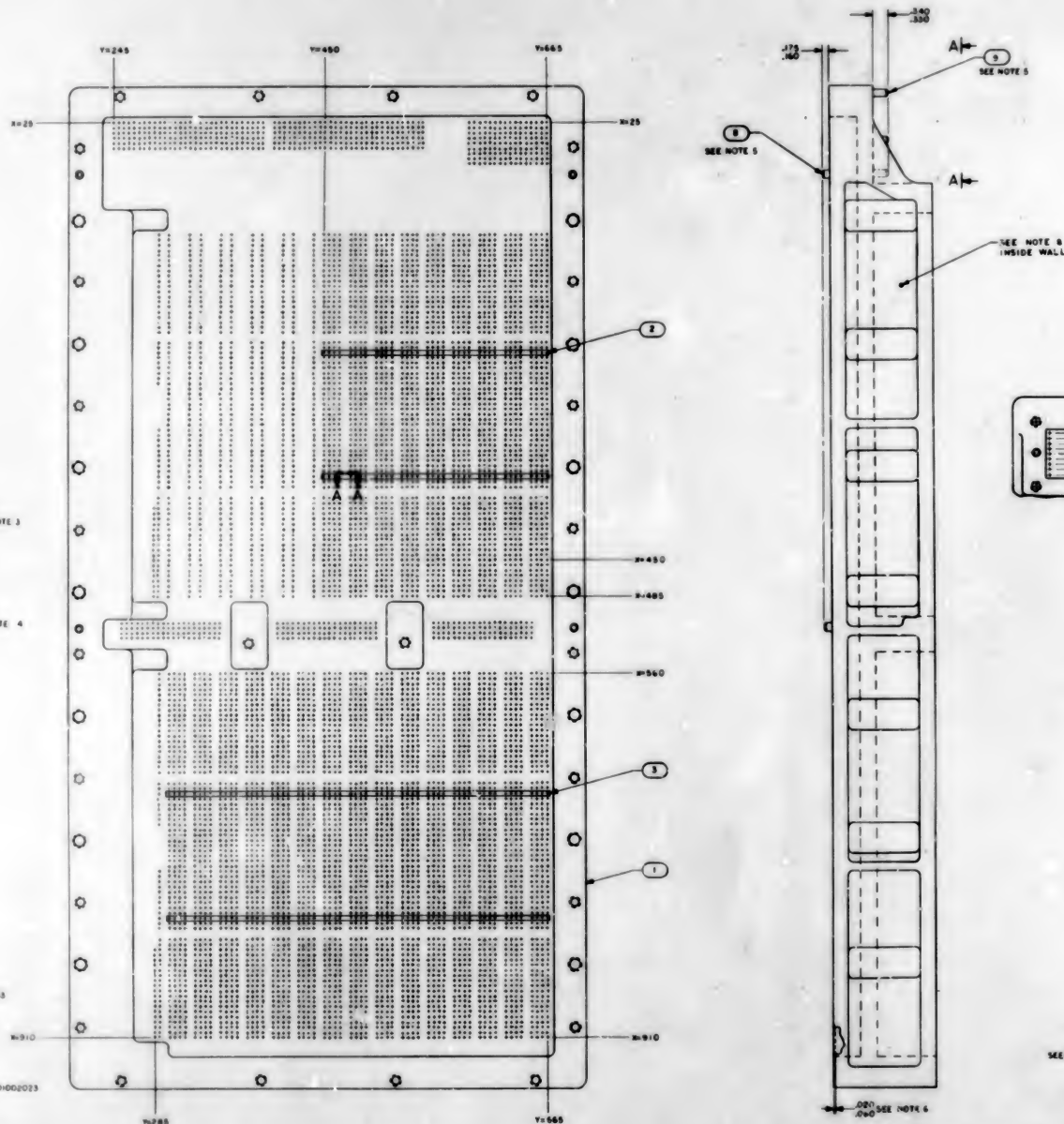


SECTION A-A

SCALE 3/1

NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70527.
2. AIR DETENTED AS REQUIRED.
3. WIREWRAP USING DRAWING NO. 2004030 OR 2005083 AND PER ND1002031.
4. ASSEMBLE FIND NO. 2 AND 3 TO TERMINALS USING 4-7 TURNS OF FIND NO. 7 (SEE NOTE 10).
5. INSTALL FIND NO. 6 (FIND NO. 6 AFTER WIREWRAPPING).
6. ENCAPSULATE WIREWRAP SIDE PER ND1002217.
7. TEMPORARY HOLD-DOWN OF WIREWRAPPING PERMISSIBLE PRIOR TO ENCAPSULATING.
8. IDENTIFY WITH PART NO. PER ND1002019 APPROXIMATELY WHERE SHOWN AND SERIALIZE PER ND1002013.
9. COORDINATE'S REFERENCE LOCATION OF PINS (IN GARDNER-DUNN 167-72X22X UNIV-B AUTOMATIC WIREWRAP MACHINE LANGUAGE, PALLET POSITION 8).
10. SOLDER PER ND1002021 USING SOLDER PER ND1002075.
11. WIRE SPECIFIED IN 2005030 OR 2005033 AS WIRES TO BE WRAPPED BY HAND IF ANY, TO BE ADDED AT THIS ASSY LEVEL.
12. COLOR OF FIND NO. 6 TO BE OPTIONAL.



VIEW A-A

SEE NOTE 12

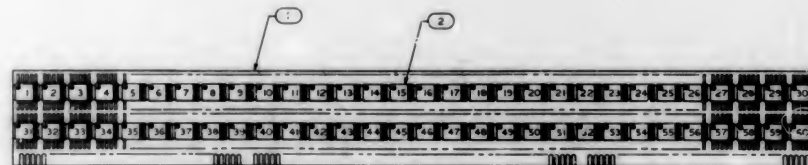
REV	REVISED PER	DATE	BY	CHKD	APP'D
1	REVISED PER TDR 22418	10/2/71	W. J. W.	W. J. W.	W. J. W.
2	REVISED PER TDR 23216	10/2/71	W. J. W.	W. J. W.	W. J. W.
3	REVISED PER TDR 24495	10/2/71	W. J. W.	W. J. W.	W. J. W.
4	REVISED PER TDR 25485	10/2/71	W. J. W.	W. J. W.	W. J. W.
5	REVISED PER TDR 27082	10/2/71	W. J. W.	W. J. W.	W. J. W.

2005033		WIRE WRAP DECK	
2005030		WIRE WRAP DECK	
1	5	WIRE WRAP DECK	WIRE WRAP DECK
2	4	2004139	PIN HEADLESS DOWEL
3	4	2004139	PIN HEADLESS DOWEL
4	4	2004139	PIN HEADLESS DOWEL
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98	4	2004139	PIN HEADLESS DOWEL
99	4	2004139	PIN HEADLESS DOWEL
100	4	2004139	PIN HEADLESS DOWEL

TRAY A
WIRED ASSEMBLY

80230 E 2003074

[illegible]



NOTE:
 1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
 2. APPLY FIND NO. 3 TO FIND NO. 1 IN AREA INDICATED.
 3. WELD PER NDI002256.
 4. IDENTIFY WITH PART NO PER NDI002019.
 5. SYMBOL SIGNIFIES OMISSION OF FIND NO. 2 IN POSITION INDICATED.
 SEE TABLE, SHEET 2.

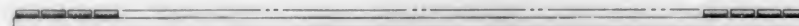
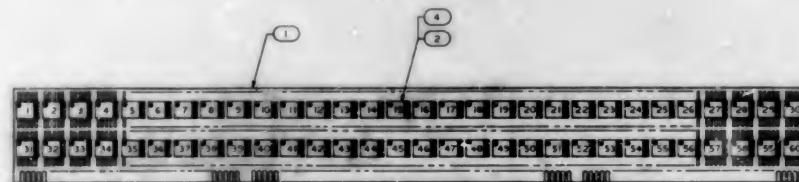
AR 1006906-6	INSULATION TAPE, ELEC. / ADHESIVE	1
AR 1004331-001	DUAL NOR GATE	2
AR SEE TABLE SHEET 2	PRINTED CIRCUIT BOARD	1
AR	LOT OF DESCRIPTION NO.	1

2003021	TEST COPY	READ IN	TEST TIME
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TEST INSPECTION LAB DATE BY CHECKED APPROVED AUTHORITY U.S. AIR FORCE	SHIPPED SPACECRAFT CENTER MULTILAYER CIRCUIT BOARD ASSEMBLY (TABULATED) 80230 E 2003096
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FIND NO.	MON-E NO.	POSITION NUMBER (FIND NO.2)	QUANTITY OF FIND NO.2	ASSEMBLY PART NO.
2004520-00	A			2003066-011
-002	A SH 2			-02
-003	A2			-03
-004	A2 SH 3			-04
-005	A3			-05
-006	A3 SH 2			-06
-007	A4 SH 1			-07
-008	A4 SH 2			-08
-009	A5 SH 1			-09
-010	A5 SH 2			-10
-011	A6 SH 1			-11
-012	A6 SH 2			-12
-013	A7 SH 1			-13
-014	A7 SH 2			-14
-015	A8 - A11			-15
-016	A8 - A11 SH 2			-16
-017	A12 SH 1			-17
-018	A12 SH 2			-18
-019	A13 SH 1			-19
-020	A13 SH 2			-20
-021	A14 SH 1			-21
-022	A14 SH 2			-22
-023	A15 SH 1			-23
-024	A15 SH 2			-24
-025	A16 SH 1			-25
-026	A16 SH 2			-26
-027	A17 SH 1			-27
-028	A17 SH 2			-28
-029	A18 SH 1			-29
-030	A18 SH 2			-30
-031	A19 SH 1			-31
-032	A19 SH 2			-32
-033	A20 SH 1			-33
-034	A20 SH 2			-34
-035	A21 SH 1			-35
-036	A21 SH 2			-36
-037	A22 SH 1			-37
-038	A22 SH 2			-38
-039	A23 SH 1			-39
-040	A23 SH 2			-40
2004520-041	A24 SH 1			-41
	A24 SH 2			-42

[illegible]



- NOTE:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
 2. APPLY FIND NO. 1 TO FIND NO. 1 IN AREA INDICATED.
 3. WELD PER WD0002256.
 4. IDENTIFY WITH PART NO PER WD0003019.
 5. ☐ SYMBOL SIGNIFIES OMISSION OF FIND NO. 2 OR FIND NO. 4 IN POSITION INDICATED SEE TABLE, SHEET 2.
 6. ☒ SYMBOL SIGNIFIES USE OF FIND NO. 2 IN POSITION INDICATED SEE TABLE, SHEET 2.
 7. ☒ SYMBOL SIGNIFIES USE OF FIND NO. 4 IN POSITION INDICATED SEE TABLE, SHEET 2.

AR 1004301-002	DUAL NOR GATE EXPANDER	4
AR 1004301-001	INSULATION TO THE GATE (AR 8815)	5
AR 1004301-001	DUAL NOR GATE	2
AR SEE TABLE SHEET 2	PRINTED CIRCUIT BOARD	1
PART OR IDENTIFYING NO.		
DRAWING SYMBOL OR IDENTIFYING NO.		
UNIT OF MEASUREMENT		
MILITARY SPACECRAFT CENTER		
MULTILAYER CIRCUIT BOARD ASSEMBLY (TABULATE)		
DATE: 10/10/66		
80230 E 2003086		

REVISED PER T.O. 27549		APR 8 1974	
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

FIND NO. 1	MODULE NO./LOC.	POSITION NUMBER (FIND NO.2 AND FIND NO.4)	QUANTITY OF FIND NO.2	ASSEMBLY PART NO.	QUANTITY OF FIND NO.4
2004210-000	A1 SH 1		50	2003086-011	0
-000	A1 SH 2		50	-000	0
-003	A2 SH 1		57	-031	3
-004	A3 SH 3		52	-041	8
-005	A4 SH 1		55	-051	6
-006	A5 SH 2		37	-061	2
-007	A5 SH 1		49	-071	11
-008	A6 SH 2		47	-081	12
-009	A6 SH 1		40	-091	15
-010	A7 SH 2		40	-111	15
-011	A7 SH 1		46	-121	12
-012	A8 SH 2		38	-131	8
-013	A7 SH 1		54	-141	6
-014	A7 SH 2		52	-151	8
-015	A8 SH 1		52	-161	8
-016	A8 SH 2		52	-171	8
-017	A12 SH 1		47	-01	12
-018	A12 SH 2		57	-191	3
-019	A13 SH 1		44	-211	11
-020	A14 SH 1		45	-221	14
-021	A14 SH 2		46	-231	15
-022	A15 SH 1		47	-241	10
-023	A15 SH 2		48	-251	12
-024	A16 SH 1		56	-261	4
-025	A16 SH 2		55	-271	5
-026	A17 SH 1		57	-281	3
-027	A17 SH 2		52	-291	6
-028	A18 SH 1		57	-311	3
-029	A18 SH 2		53	-321	7
-030	A19 SH 1		59	-331	1
-031	A19 SH 2		59	-341	0
-032	A20 SH 1		56	-351	4
-033	A20 SH 2		56	-361	4
-034	A21 SH 1		40	-371	7
-035	A21 SH 2		58	-381	2
-036	A22 SH 1		50	-391	1
-037	A22 SH 2		56	-411	4
-038	A23 SH 1		51	-421	6
-039	A23 SH 2		57	-431	2
-040	A24 SH 1		57	-441	2
2004210-041	A24 SH 2		45	2003086-051	7

[illegible]

SEE VTF 15

[illegible]

DELETE FOLLOWING CONNECTION					ADD FOLLOWING CONNECTIONS				
SIGNAL	FROM	TO	LEVEL		SIGNAL	FROM	TO	LEVEL	
FLUTE1	A12/40	A9/215	2		FLUTE1	A12/402	A9/215	2	
					FLUTE1	A12/219	A12/3150	2	
					FLUTE1	A12/323	A12/3150	2	
					FLUTE1	A12/3222	A12/3150	2	
					FLUTE1	A12/3159	A12/3150	2	
					FLUTE1	A12/3173	A12/3150	2	
					FLUTE1	A12/3175	A12/3150	2	
					FLUTE1	A12/3176	A12/3150	2	
					FLUTE1	A12/3178	A12/3150	2	

DELTE			CUMULATIVE			AD FOLLOWING CONNECTIONS		
DELTE	FROM	TO	DELTE	FROM	TO	DELTE	FROM	TO
DELTE	422/164	422/163	DELTE	422/168	422/169	DELTE	422/168	422/169
DELTE	422/168	422/169	DELTE	422/169	422/170	DELTE	422/169	422/170
DELTE	422/169	422/170	DELTE	422/170	422/171	DELTE	422/170	422/171
DELTE	422/170	422/171	DELTE	422/171	422/172	DELTE	422/171	422/172
DELTE	422/171	422/172	DELTE	422/172	422/173	DELTE	422/172	422/173
DELTE	422/172	422/173	DELTE	422/173	422/174	DELTE	422/173	422/174
DELTE	422/173	422/174	DELTE	422/174	422/175	DELTE	422/174	422/175
DELTE	422/174	422/175	DELTE	422/175	422/176	DELTE	422/175	422/176
DELTE	422/175	422/176	DELTE	422/176	422/177	DELTE	422/176	422/177
DELTE	422/176	422/177	DELTE	422/177	422/178	DELTE	422/177	422/178
DELTE	422/177	422/178	DELTE	422/178	422/179	DELTE	422/178	422/179
DELTE	422/178	422/179	DELTE	422/179	422/180	DELTE	422/179	422/180
DELTE	422/179	422/180	DELTE	422/180	422/181	DELTE	422/180	422/181
DELTE	422/180	422/181	DELTE	422/181	422/182	DELTE	422/181	422/182
DELTE	422/181	422/182	DELTE	422/182	422/183	DELTE	422/182	422/183
DELTE	422/182	422/183	DELTE	422/183	422/184	DELTE	422/183	422/184
DELTE	422/183	422/184	DELTE	422/184	422/185	DELTE	422/184	422/185
DELTE	422/184	422/185	DELTE	422/185	422/186	DELTE	422/185	422/186
DELTE	422/185	422/186	DELTE	422/186	422/187	DELTE	422/186	422/187
DELTE	422/186	422/187	DELTE	422/187	422/188	DELTE	422/187	422/188
DELTE	422/187	422/188	DELTE	422/188	422/189	DELTE	422/188	422/189
DELTE	422/188	422/189	DELTE	422/189	422/190	DELTE	422/189	422/190
DELTE	422/189	422/190	DELTE	422/190	422/191	DELTE	422/190	422/191
DELTE	422/190	422/191	DELTE	422/191	422/192	DELTE	422/191	422/192
DELTE	422/191	422/192	DELTE	422/192	422/193	DELTE	422/192	422/193
DELTE	422/192	422/193	DELTE	422/193	422/194	DELTE	422/193	422/194
DELTE	422/193	422/194	DELTE	422/194	422/195	DELTE	422/194	422/195
DELTE	422/194	422/195	DELTE	422/195	422/196	DELTE	422/195	422/196
DELTE	422/195	422/196	DELTE	422/196	422/197	DELTE	422/196	422/197
DELTE	422/196	422/197	DELTE	422/197	422/198	DELTE	422/197	422/198
DELTE	422/197	422/198	DELTE	422/198	422/199	DELTE	422/198	422/199
DELTE	422/198	422/199	DELTE	422/199	422/200	DELTE	422/199	422/200
DELTE	422/199	422/200	DELTE	422/200	422/201	DELTE	422/200	422/201
DELTE	422/200	422/201	DELTE	422/201	422/202	DELTE	422/201	422/202
DELTE	422/201	422/202	DELTE	422/202	422/203	DELTE	422/202	422/203
DELTE	422/202	422/203	DELTE	422/203	422/204	DELTE	422/203	422/204
DELTE	422/203	422/204						

[illegible][illegible]

THIS SHEET ADDED

[illegible]

REVIEWS

DELETE FOLLOWING CONNECTION				ADD FOLLOWING CONNECTIONS			
SIGNAL FUTER	FORM AM/2	VS A3/2/3	Z LEVEL 2	SIGNAL FORM	VS	Z LEVEL	ALIVE
				SPINAR	A12/7/62	A2/3/25	2
				BOCCA	A2/3/23	A2/3/26	2
				FLUTAT	A3/2/23	A2/3/26	2
				FRINGA	A2/5/222	A3/3/3	2
				HY 4	A3/2/179	7/8/2/25	2
				HY 4	1/2/1/2/2	A3/1/2/2	2
				A3/3/B	A3/3/35	2/3/2/6	2
				A3/3/B	A3/3/35	A3/2/1/6	2

MATERIAL		COMPOSITION		ANALYSIS		THERMAL ANALYSIS	
SYMBOL	FORM	Wt %	Vol %	Wt %	Vol %	Wt %	Vol %
PVC-A	44-253	A-3	1	2	21	17	17
PVC-A	44-176	A-4	1	DA	1	17	17
M-243	44-141	A-3	3				
M-245	44-148	A-3					
M-248	44-149	A-3					
M-249	44-149	A-3					
M-250	44-149	A-3					
M-251	44-149	A-3					
M-252	44-149	A-3					
M-253	44-149	A-3					
M-254	44-149	A-3					
M-255	44-149	A-3					
M-256	44-149	A-3					
M-257	44-149	A-3					
M-258	44-149	A-3					
M-259	44-149	A-3					
M-260	44-149	A-3					
M-261	44-149	A-3					
M-262	44-149	A-3					
M-263	44-149	A-3					
M-264	44-149	A-3					
M-265	44-149	A-3					
M-266	44-149	A-3					
M-267	44-149	A-3					
M-268	44-149	A-3					
M-269	44-149	A-3					
M-270	44-149	A-3					
M-271	44-149	A-3					
M-272	44-149	A-3					
M-273	44-149	A-3					
M-274	44-149	A-3					
M-275	44-149	A-3					
M-276	44-149	A-3					
M-277	44-149	A-3					
M-278	44-149	A-3					
M-279	44-149	A-3					
M-280	44-149	A-3					
M-281	44-149	A-3					
M-282	44-149	A-3					
M-283	44-149	A-3					
M-284	44-149	A-3					
M-285	44-149	A-3					
M-286	44-149	A-3					
M-287	44-149	A-3					
M-288	44-149	A-3					
M-289	44-149	A-3					
M-290	44-149	A-3					
M-291	44-149	A-3					
M-292	44-149	A-3					
M-293	44-149	A-3					
M-294	44-149	A-3					
M-295	44-149	A-3					
M-296	44-149	A-3					
M-297	44-149	A-3					
M-298	44-149	A-3					
M-299	44-149	A-3					
M-300	44-149	A-3					
M-301	44-149	A-3					
M-302	44-149	A-3					
M-303	44-149	A-3					
M-304	44-149	A-3					
M-305	44-149	A-3					
M-306	44-149	A-3					
M-307	44-149						

ELITE FOLLOWING			LEADING			FOLLOWING			CONNECTIONS		
	TO	FROM		TO	FROM		TO	FROM		TO	FROM
1	EX	22/64	5	2	EX	22/64	22/29	2			
2	EX	22/64	5	2	EX	22/64	22/29	2			
3	EX	22/64	5	2	EX	22/64	22/29	2			
4	EX	22/64	5	2	EX	22/64	22/29	2			
5	EX	22/64	5	2	EX	22/64	22/29	2			
6	EX	22/64	5	2	EX	22/64	22/29	2			
7	EX	22/64	5	2	EX	22/64	22/29	2			
8	EX	22/64	5	2	EX	22/64	22/29	2			
9	EX	22/64	5	2	EX	22/64	22/29	2			
10	EX	22/64	5	2	EX	22/64	22/29	2			
11	EX	22/64	5	2	EX	22/64	22/29	2			
12	EX	22/64	5	2	EX	22/64	22/29	2			
13	EX	22/64	5	2	EX	22/64	22/29	2			
14	EX	22/64	5	2	EX	22/64	22/29	2			
15	EX	22/64	5	2	EX	22/64	22/29	2			
16	EX	22/64	5	2	EX	22/64	22/29	2			
17	EX	22/64	5	2	EX	22/64	22/29	2			
18	EX	22/64	5	2	EX	22/64	22/29	2			
19	EX	22/64	5	2	EX	22/64	22/29	2			
20	EX	22/64	5	2	EX	22/64	22/29	2			
21	EX	22/64	5	2	EX	22/64	22/29	2			
22	EX	22/64	5	2	EX	22/64	22/29	2			
23	EX	22/64	5	2	EX	22/64	22/29	2			
24	EX	22/64	5	2	EX	22/64	22/29	2			
25	EX	22/64	5	2	EX	22/64	22/29	2			
26	EX	22/64	5	2	EX	22/64	22/29	2			
27	EX	22/64	5	2	EX	22/64	22/29	2			
28	EX	22/64	5	2	EX	22/64	22/29	2			
29	EX	22/64	5	2	EX	22/64	22/29	2			
30	EX	22/64	5	2	EX	22/64	22/29	2			
31	EX	22/64	5	2	EX	22/64	22/29	2			
32	EX	22/64	5	2	EX	22/64	22/29	2			
33	EX	22/64	5	2	EX	22/64	22/29	2			
34	EX	22/64	5	2	EX	22/64	22/29	2			
35	EX	22/64	5	2	EX	22/64	22/29	2			
36	EX	22/64	5	2	EX	22/64	22/29	2			
37	EX	22/64	5	2	EX	22/64	22/29	2			
38	EX	22/64	5	2	EX	22/64	22/29	2			
39	EX	22/64	5	2	EX	22/64	22/29	2			
40	EX	22/64	5	2	EX	22/64	22/29	2			
41	EX	22/64									

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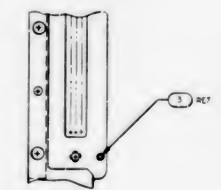
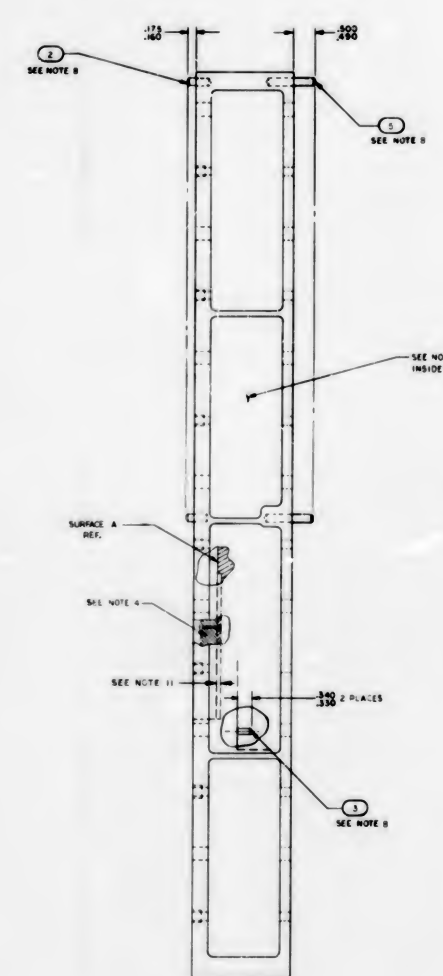
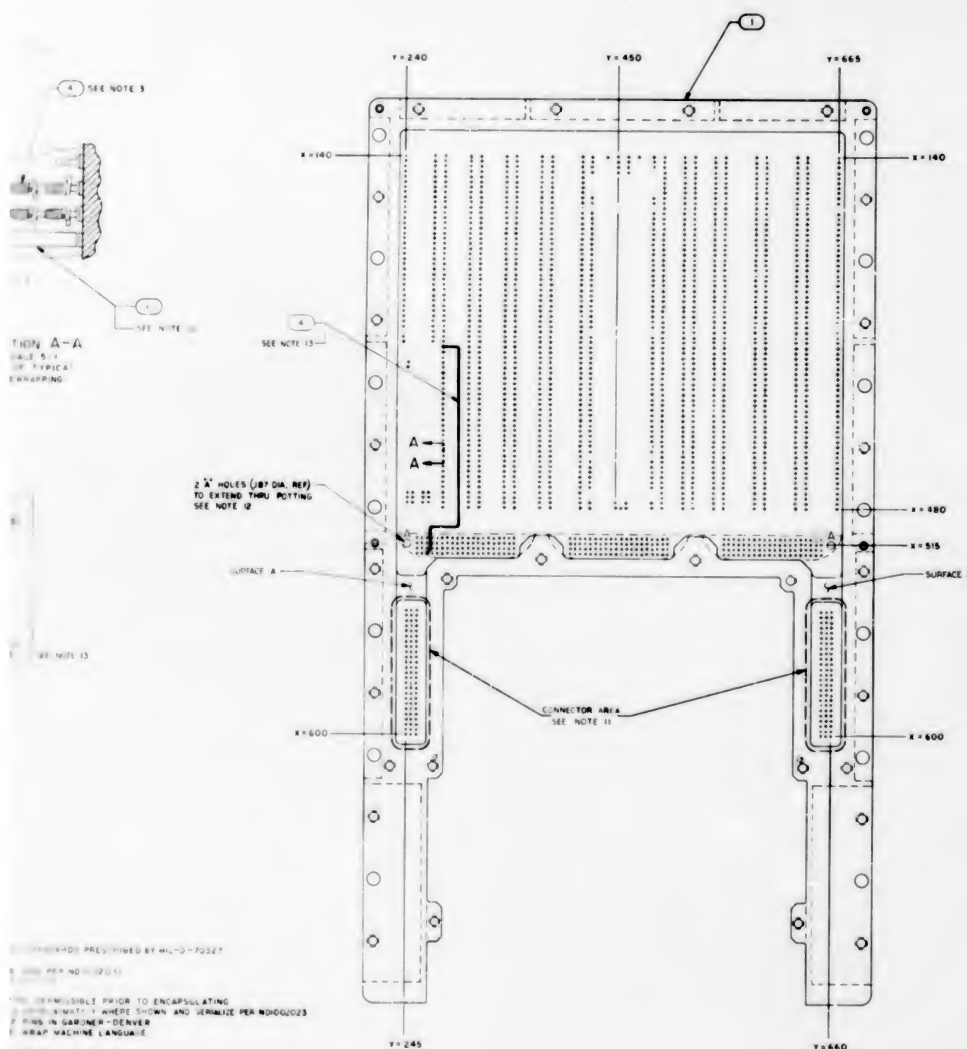
ADD. P. REVIEW CONNECTIONS			
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100	104	100	100

THIS SHEET ADOPTED

[illegible]

[illegible]

REV	DATE	DESCRIPTION	BY	CHK
A		REVISED PER TDR# 273UB		
B		REVISED PER TDR# 28027		
C		REVISED PER TDR# 34622		
D		REVISED PER TDR# 33307		
E		REVISED PER TDR# 34555		



UNLESS OTHERWISE SPECIFIED BY MIL-D-70527
 0.0005 PER .0001 (2X)
 NOT PERMISSIBLE PRIOR TO ENCAPSULATING
 IN ORDER TO AVOID WHERE SHOWN AND JERINISE PER NDDG0023
 PINS IN GARDNER-DENVER
 WRAP MACHINE LANGUAGE
 AFTER WIREWRAPPING
 BE WRAPPED BY HAND
 NO. 1 THE NO. 1 TERMINALS AND INSULATORS

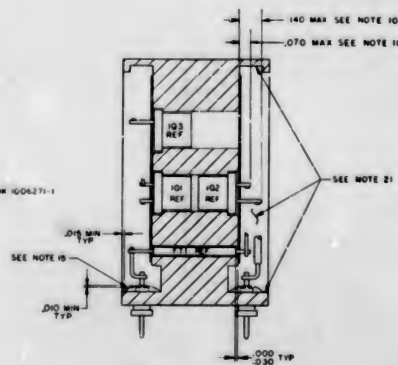
QTY	DESCRIPTION	UNIT
1	2003030	WIRE WRAP DECK
1	2003030-01	INSULATION SLEEVE
1	2003030-02	PIN STRAIGHT HEADLESS
1	2003030-03	WIRE SLEEVES
1	2003030-04	PIN STRAIGHT HEADLESS
1	2003030-05	PIN STRAIGHT HEADLESS
1	2003030-06	TRAY B SUBASSY

DESIGNED BY CHECKED BY APPROVED BY DATE	UNIT OF ORIGIN PART NO. QTY UNIT PRICE TOTAL PRICE	MTC INSTRUMENTATION LAB BARRON SPACRAFT CENTER WIRELESS TEAM TRAY B WIRED ASSEMBLY 80230 J 2003093
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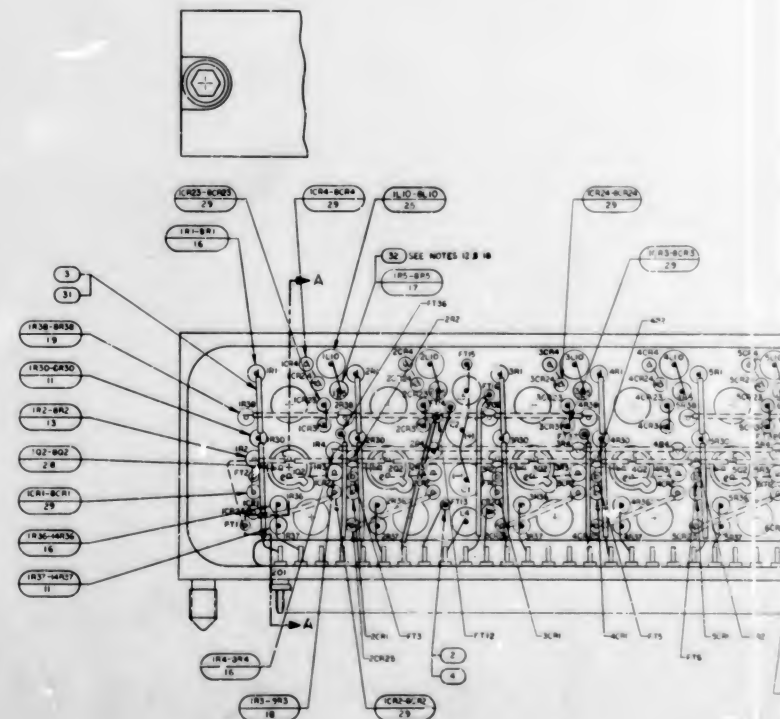
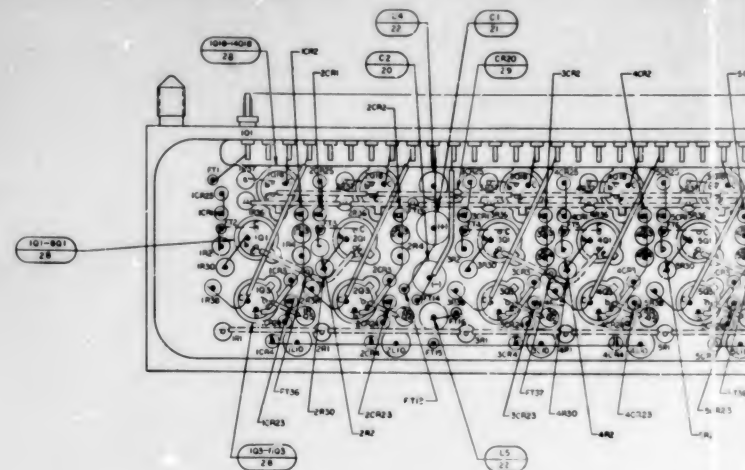
2003093

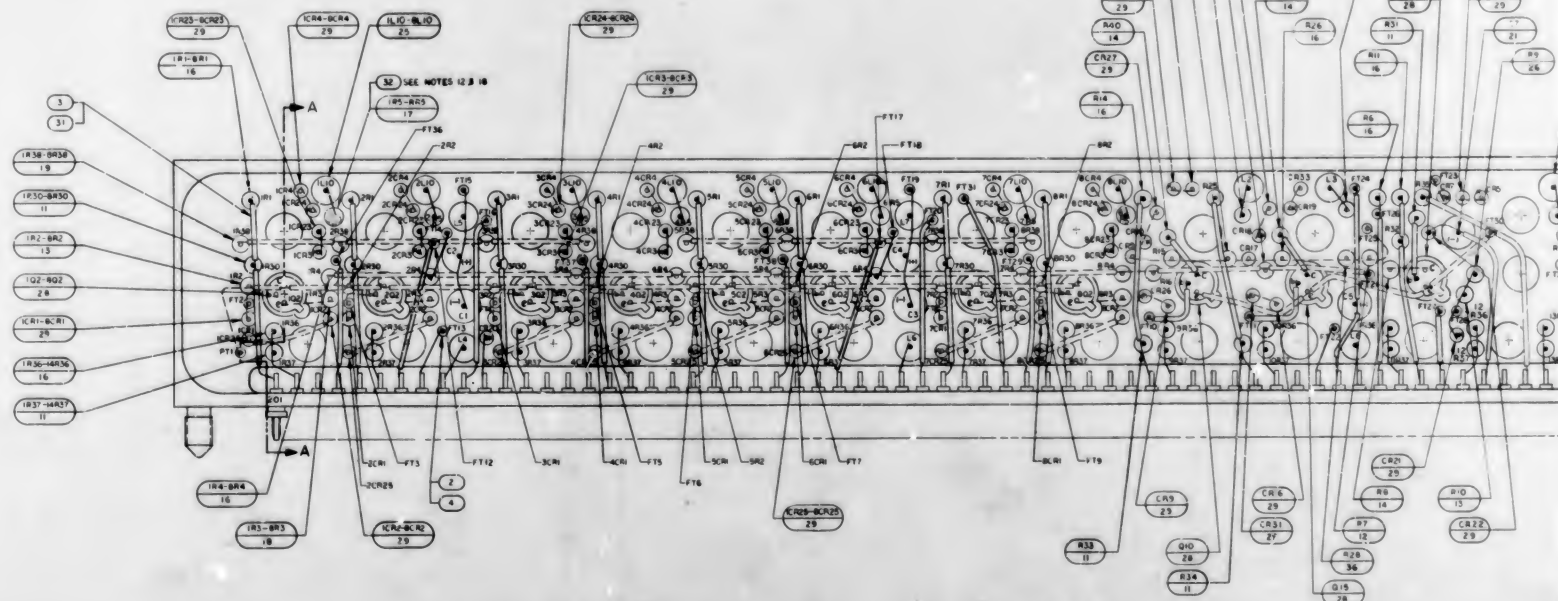
R5, R18, R29		
PART NO	VALUE	(OHMS)
1005788-213	1.57	
-214	1.04	
-225	0.15	
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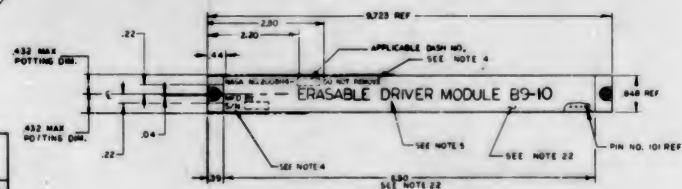
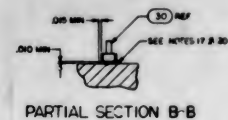
- NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-10327
 2. MFG PER ND1002005
 3. ENCAPSULATE PER ND1002005 REMOVE ALL FLASHING
 4. MARK 30/00 HIGH WHITE CHARACTERS PER ND1002019 AND ND1002122 TYPE II CLASS 2, SERIALS PER ND1002020 USING MARKING INK 1006271-1
 5. MARK 20/24 HIGH WHITE CHARACTERS PER ND1002019 AND ND1002122 TYPE II CLASS 2, SERIALS PER ND1002020 USING MARKING INK 1006271-1
 6. AS DENOTES AS REQUIRED
 7. FT DENOTES FIELD THRU
 8. K DENOTES CATHODE SIDE OF DIODE
 9. H DENOTES POSITIVE SIDE OF CATHODE
 10. BLACK DOT AND SINGLE SOLID LEAD INDICATE UPPER LEVEL WIRING
 11. WHITE DOT AND SINGLE DOTTED LEAD INDICATE LOWER LEVEL WIRING
 12. THE VALUE OF THE FOLLOWING COMPONENTS TO BE DETERMINED AT ELECTRICAL TEST
 13. UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH ND1002005
 14. STRAL FINE NO 30 TO FINE NO 1 PER ND1002004 TYPE B
 15. SEAL INSULATORS AND TERMINALS TO HEADERS PER ND1002004 TYPE B
 16. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL OF THE REQUIREMENTS OF PS-2003114
 17. SEAL FINE NO 30 TO FINE NO 1 PER ND1002004 TYPE B
 18. ASSEMBLE FINE NO 30 TO MODULE AFTER SELECTED VALUE HAS BEEN DETERMINED
 19. BONDING FINE NO 30 TO FINE NO 1 PER ND1002004 TYPE B
 20. MOUNTING TORQUE FOR FINE NO 30 TO BE 15-20 INCH-POUNDS
 21. COAT INDICATED SURFACES, BOTH ENDS, TOP AND BOTTOM, BOTH SIDES PER ND1002004, TYPE B
 22. PAINT SURFACE INDICATED RED USING MARKING INK 1006271-9



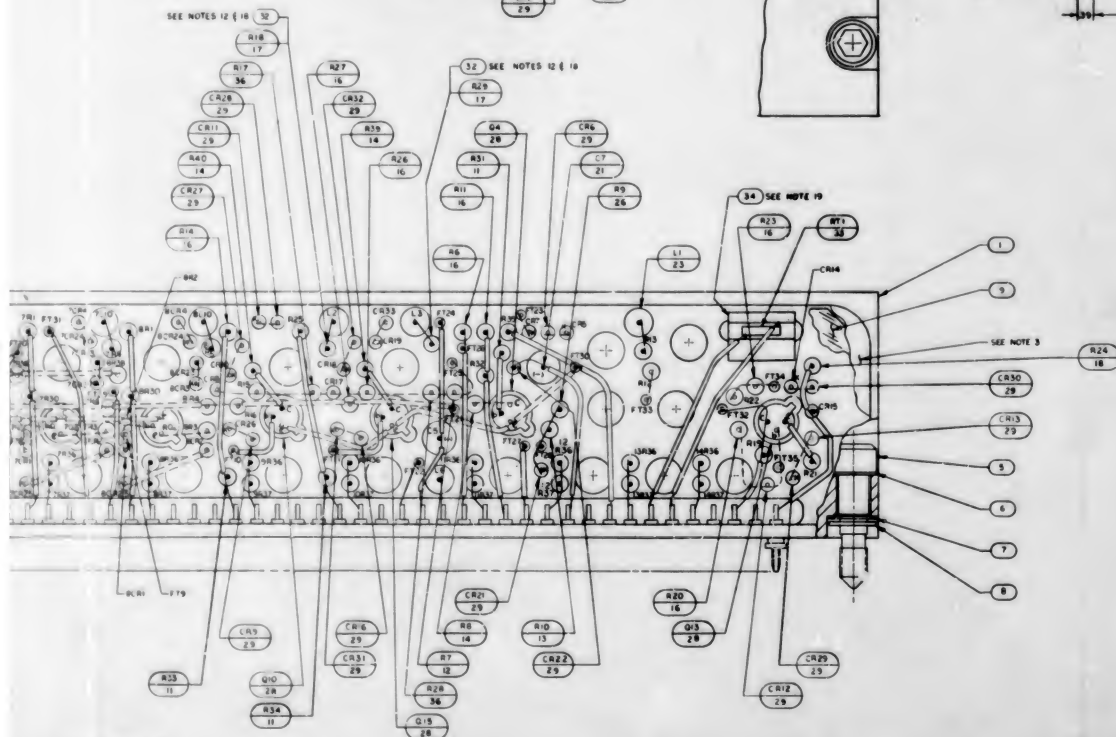
SECTION A-A







MARKING VIEW
SCALE 1/1



Q	100104	SCHEMATIC	REF
1	1004780-3	RESISTOR	56
2	1004780-8	RESISTOR	56
3	1004793-001	INSULATOR	3
4	1004772-1	INSULATOR, W/ASPR. SENSITIVE	35
10	1004074	INSULATOR, WASHER	35
11	1004776-21	INSULATION SLEEVING	35
12	1004038	TERMINAL, THROUGH-DRILL	30
13	1004773-001	DIELECT	29
14	1004504-001	TRANSISTOR, PNP, 2N	26
15	1004780-002	WASHER, NOTED	10
16	10047950-28	RESISTOR	28
17	1004046-10	COIL, 1M CHOK	74
18	1004046-8	COIL, 1M CHOK	74
19	1004046-11	COIL, 1M CHOK	74
20	1004046-7	COIL, 1M CHOK	74
21	10047950-9	CAPACITOR	28
22	10047950-32	CAPACITOR	28
23	10047950-11	RESISTOR	30
24	1004788-10	RESISTOR	17
25	SEE NOTE 12		17
40	10047950-7	RESISTOR	15
41	10047950-43	RESISTOR	15
42	10047950-59	RESISTOR	16
43	10047950-33	RESISTOR	15
44	10047950-24	RESISTOR	12
26	10047950-19	RESISTOR	11
27	1004616	INSULATOR (A)	10
28	1004616	INSULATOR (B)	9
29	WR16331-0015	RING, E-CLAMPING, EXTERNAL, "E"	8
30	1004794-003	WASHER, 7/16"	7
31	1004984-000	WASHER, 1/4"	7
32	1004797-1	SCREW, JAWING	5
33	1004797-2	SCREW, JAWING	5
34	1004797-3	INSULATION SLEEVING	3
35	1004797-1	WIRE, ELECTRICAL	3
36	1004797-8	WIRE, ELECTRICAL	3
37	1004797-4	WIRE, HOUSING, ASST	3
38	1004797-5	WIRE, HOUSING, ASST	3
39	1004797-6	WIRE, HOUSING, ASST	3
40	1004797-7	WIRE, HOUSING, ASST	3
41	1004797-9	WIRE, HOUSING, ASST	3
42	1004797-10	WIRE, HOUSING, ASST	3
43	1004797-11	WIRE, HOUSING, ASST	3
44	1004797-12	WIRE, HOUSING, ASST	3
45	1004797-13	WIRE, HOUSING, ASST	3
46	1004797-14	WIRE, HOUSING, ASST	3
47	1004797-15	WIRE, HOUSING, ASST	3
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71	1004797-39	WIRE, HOUSING, ASST	3
72	1004797-40	WIRE, HOUSING, ASST	3
73	1004797-41	WIRE, HOUSING, ASST	3
74	1004797-42	WIRE, HOUSING, ASST	3
75	1004797-43	WIRE, HOUSING, ASST	3
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84	1004797-52	WIRE, HOUSING, ASST	3
85	1004797-53	WIRE, HOUSING, ASST	3
86	1004797-54	WIRE, HOUSING, ASST	3
87	1004797-55	WIRE, HOUSING, ASST	3

[illegible]

BLACKED IN LEADS ARE TO BE
WELDED TO NEAR ROW PINS
SEE SECTION A-A

STRIPE POSITION
(REF)

STRIPE POSITION
(REF)



STRIPE POSITION
(REF)

STRIPE POSITION
(REF)
NO CONNECTION TO FIRST
PAD OF BOARD

NOTES

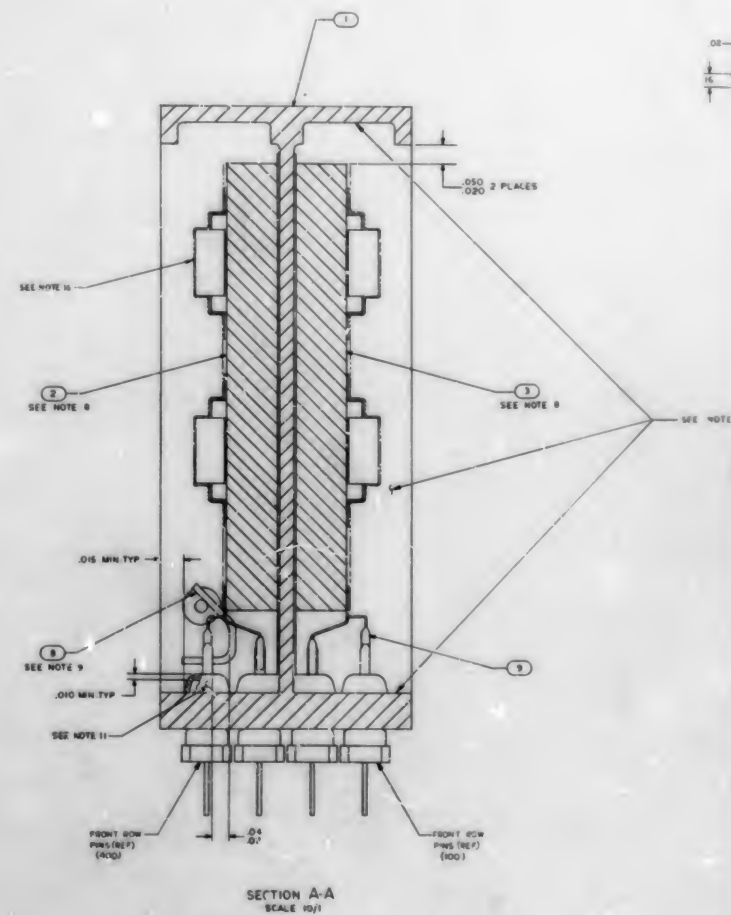
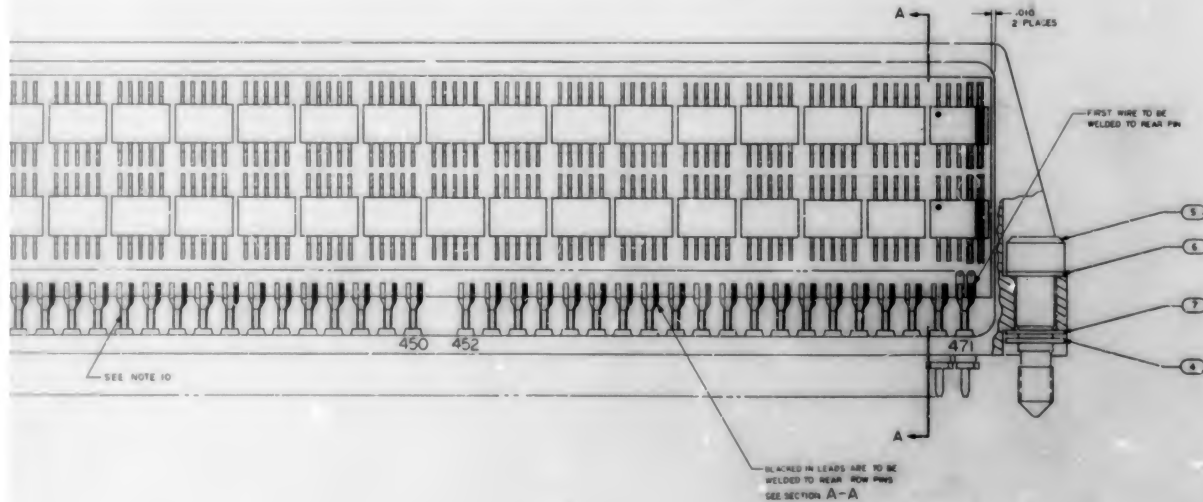
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. WELD FIND NO. 9 TO FIND NO. 2 AND FIND NO. 3 PER ND1002256
3. UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH ND1002069
4. AIR DENOTES AS REQUIRED
5. ENCAPSULATE PER ND1002002. REMOVE FLASHING
6. MARK 10/08 HIGH WHITE CHARACTERS PER ND1002819 AND ND1002122, TYPE II, CLASS 2
AND SERIALIZE PER ND1002003 USING NW 1006271-1
7. MARK 25/24 HIGH WHITE CHARACTERS PER ND1002019 AND ND1002122, TYPE II, CLASS 2
(SEE NW 1006271-1)
8. BOND FIND 2 AND 3 TO FIND NO. 1 PER ND1002004 TYPE II
9. WELD FIND NO. 8 TO FIND NO. 1 PER ND1002005
10. WELD PER ND1002005 EXCEPT THAT THE ANGLE OF THE JOINT SHALL BE 180° ± 10°.
100/10° SAMPLES SHALL BE USED FOR TIEEL PULL TESTS
11. SEAL INSULATORS AND TERMINALS TO HEADER PER ND1002004 TYPE II
12. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL
MEET ALL THE REQUIREMENTS OF F.S. 2002160
13. COAT INDICATED SURFACES, BOTH ENDS, TOP AND BOTTOM, BOTH SIDES,
PER ND1002187, TYPE II
14. PARTS 2003083-451 AND 2003083-551 ARE INTERCHANGEABLE WHEN USED IN 2003120-191
15. NO CONNECTION BETWEEN PIN 422 AND ASSOCIATED PAD (421 AND 421 CONFIGURATIONS ONLY)
16. SPRAY COAT INDICATED SURFACES WITH 2003 MINIMUM THICKNESS UNPROMOTED COATING PER ND1002155

SEE NOTE 10

F1

2003120

E



DATE	E
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BLACKED IN LEADS ARE TO BE
WELDED TO REAR ROW PINS
SEE SECTION A-A

STRIFE POSITION
(REF)

STRIFE POSITION
(REF)



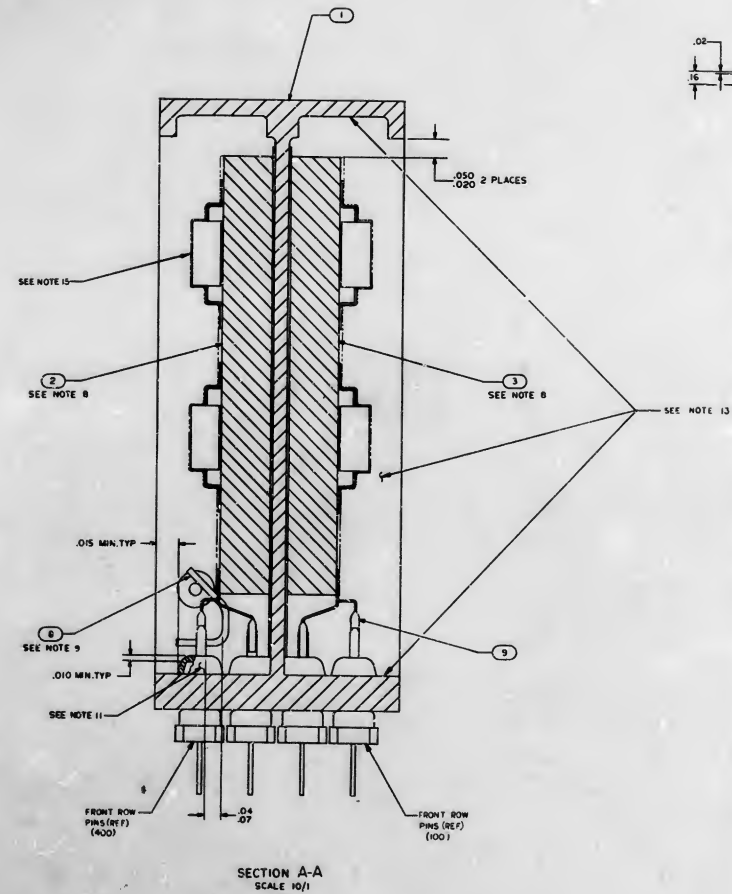
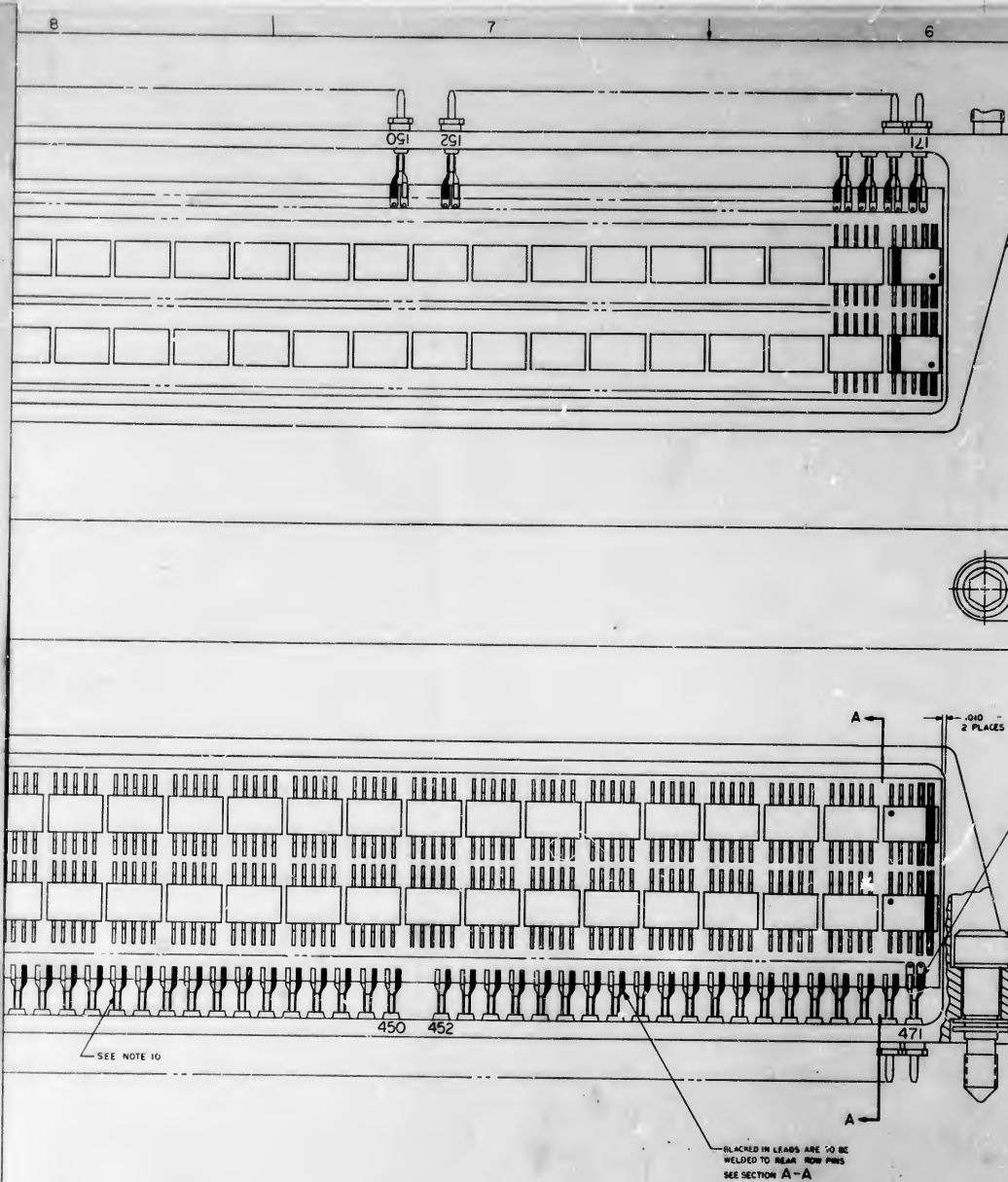
STRIFE POSITION
(REF)

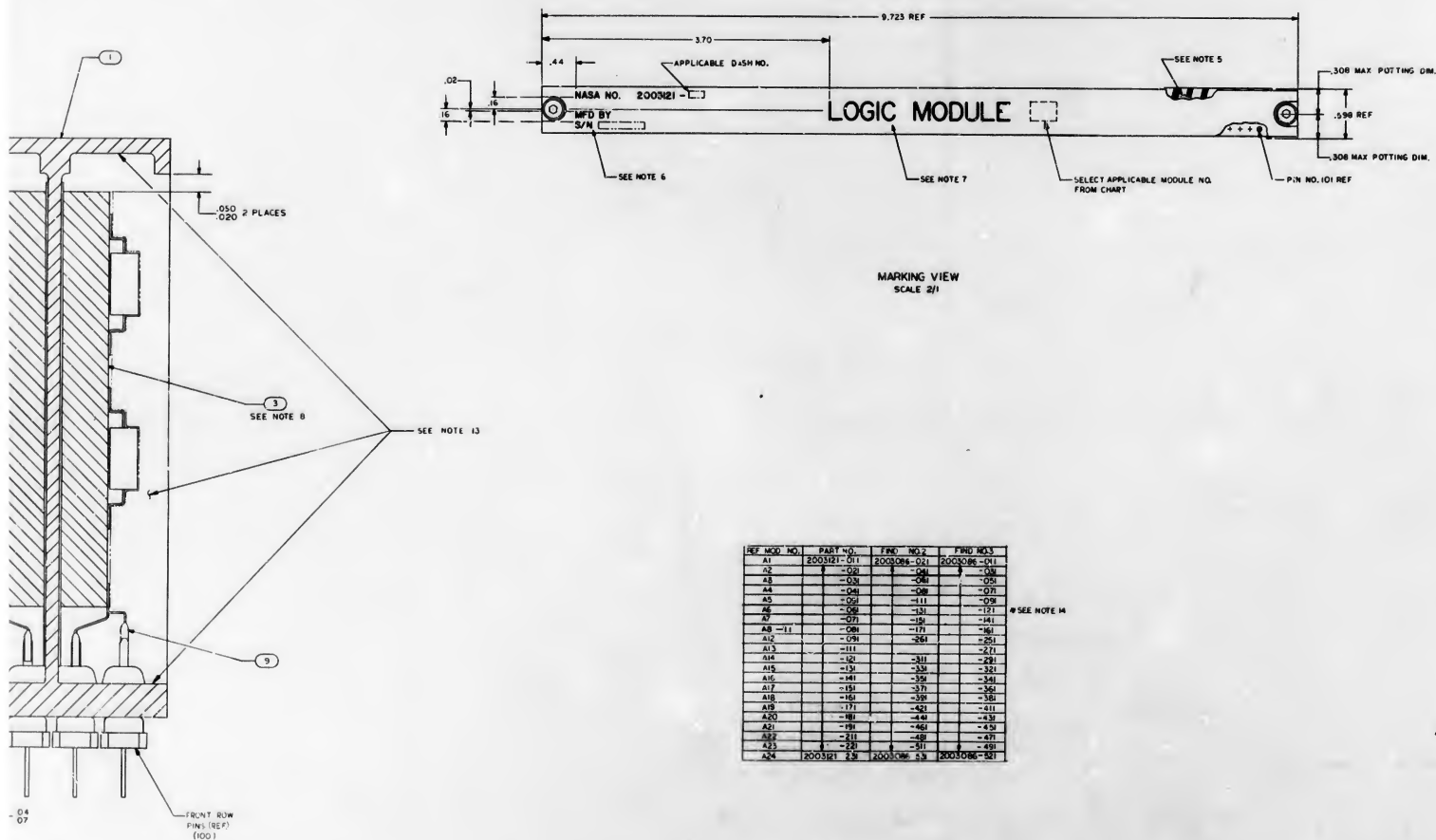
STRIFE POSITION
(REF)
NO CONNECTION TO FIRST
PAD OF BOARD

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. WELD FIND NO. 9 TO FIND NO. 2 AND FIND NO. 3 PER ND1002256
3. UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH ND1002059
4. AF DENOTES AS REQUIRED
5. ENCAPSULATE PER ND1002002. REMOVE FLASHING
6. MARK 10/08 HIGH WHITE CHARACTERS PER ND1002019 AND ND1002122, TYPE II, CLASS 2 AND SERIALIZE PER ND1002023 USING INK 10052714
7. MARK 26/24 HIGH WHITE CHARACTERS PER ND1002019 AND ND1002122, TYPE II, CLASS 2 USING INK 10052714
8. BOND FIND 2 AND 3 TO FIND NO. 1 PER ND1002004 TYPE I.
9. WELD FIND NO. 8 TO FIND NO. 1 PER ND1002005
10. WELD PER ND1002005 EXCEPT THAT THE ANGLE OF THE JOINT SHALL BE $180 \pm 45^\circ$. $180^\circ \pm 45^\circ$ SAMPLES SHALL BE USED FOR TENSILE PULL TESTS
11. SEAL INSULATORS AND TERMINALS TO HEADER PER ND1002004 TYPE III
12. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF P.S. 003361
13. COAT INDICATED SURFACES, BOTH ENDS, TOP AND BOTTOM, BOTH SIDES, PER ND1002087, TYPE II
14. NO CONNECTION BETWEEN PIN 232 AND ASSOCIATED PAD (-061 CONFIGURATION ONLY)
15. SPRAY COAT INDICATED SURFACES WITH .005 MINIMUM THICKNESS UNPIGMENTED COATING PER ND1002035

SEE NOTE 10





REF	MOD	NO	PART	W	END	MOD	NO	PART	W	END	MOD	NO	PART	W
A1				00000001-011				00000000-021					00000000-001	
A2				-020				-040					-050	
A3				-030				-050					-070	
A4				-040				-060					-080	
A5				-050				-110					-120	
A6				-060				-130					-170	
A7				-070				-170					-141	
A8	-11			-080				-170					-161	
A9				-090				-261					-251	
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A79				-790				-330					-321	
A80				-800				-330					-321	
A81				-810				-330					-321	
A82				-820				-330					-321	
A83				-830				-330					-321	
A84				-840				-330					-321	
A85				-850				-330					-321	
A86				-860				-330					-321	
A87				-870				-330					-321	
A88				-880				-330					-321	
A89				-890				-330					-321	
A90				-900				-330					-321	
A91				-910				-330					-321	
A92				-920				-330					-321	
A93				-930				-330					-321	
A94				-940				-330					-321	
A95				-950				-330					-321	
A96				-960				-330					-321	
A97				-970				-330					-321	
A98				-980				-330					-321	
A99				-990				-330					-321	
A100				-1000				-330					-321	

* SEE NOTE M

QTY. APPLY	AR 1006757-20	WIRE, ELECTRICAL	
	AR 1006757-8	WIRE, ELECTRICAL	
TO EACH	2 2004984-003	WASHER, FLAT	
	2 2004984-001	WASHER, FLAT	
PART NO.	2 1004579-1	SCREW, JACKING	
SEE CHART	2 MS16633-4015	RING, RETAINING	
	1 SEE CHART	CIRCUIT BOARD ASSEMBLY	
	1 SEE CHART	CIRCUIT BOARD ASSEMBLY	
	1 2003000-021	HEADER HOUSING ASSEMBLY	
	GROUP OF DESIGNATION NO.	GROUP OF DESCRIPTION	

[illegible]

BLACKED IN LEADS ARE TO BE
WELDED TO REAR ROW PINS
SEE SECTION A-A

STRIPE POSITION
(REF)

STRIPE POSITION
(REF)



STRIPE POSITION
(REF)

STRIPE POSITION
(REF)
NO CONNECTION TO FIRST
PAD OF BOARD

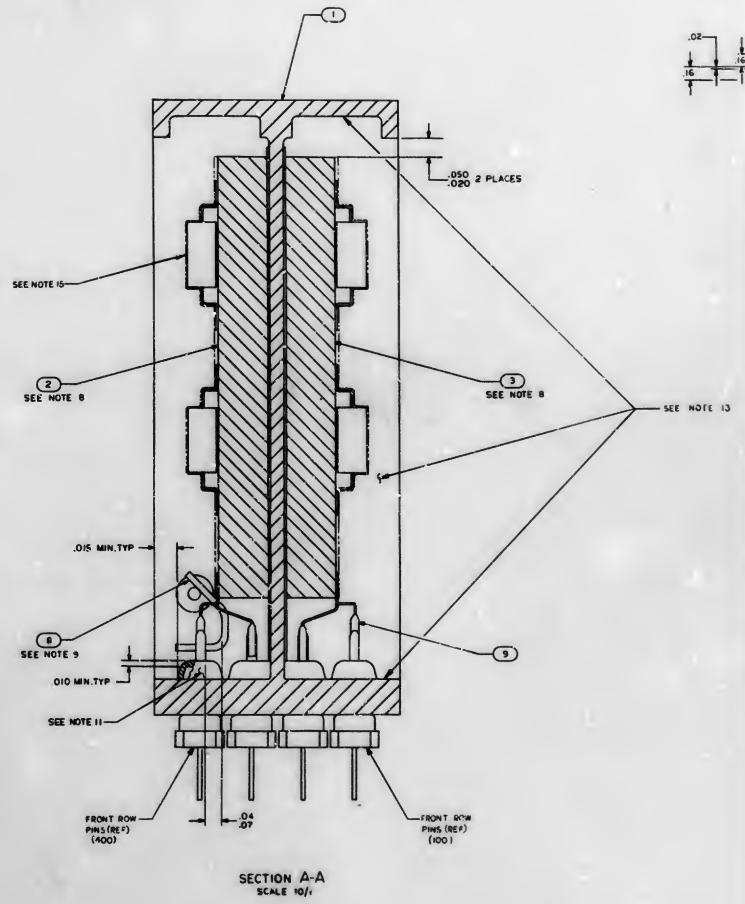
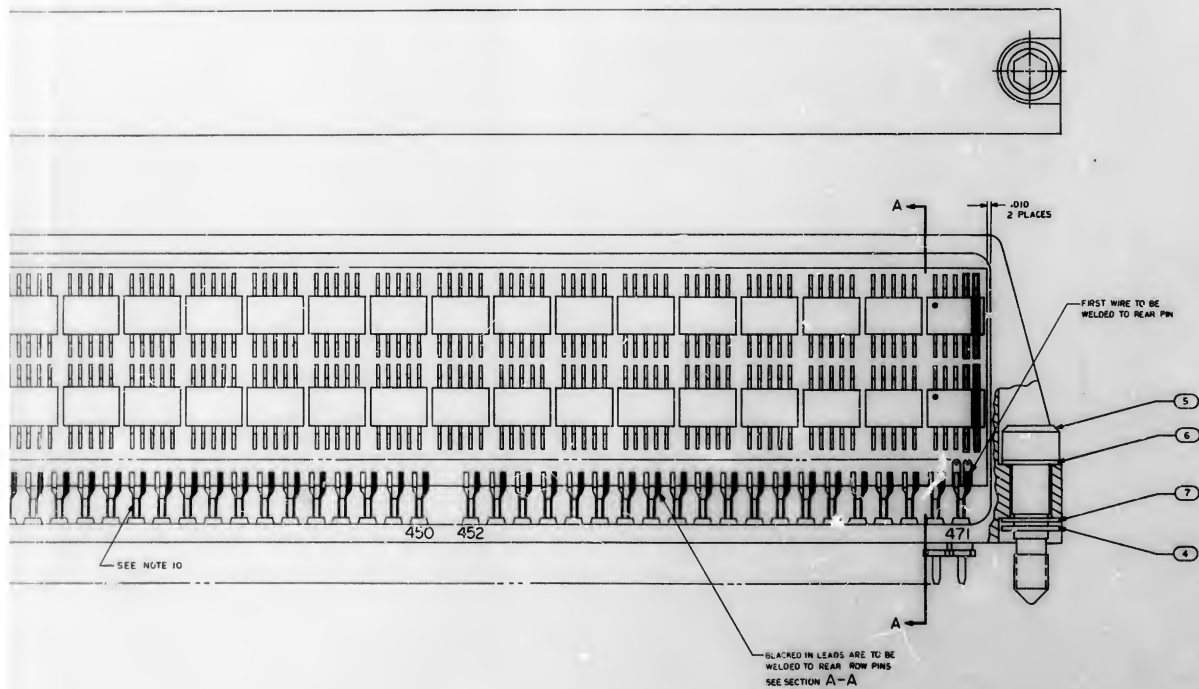
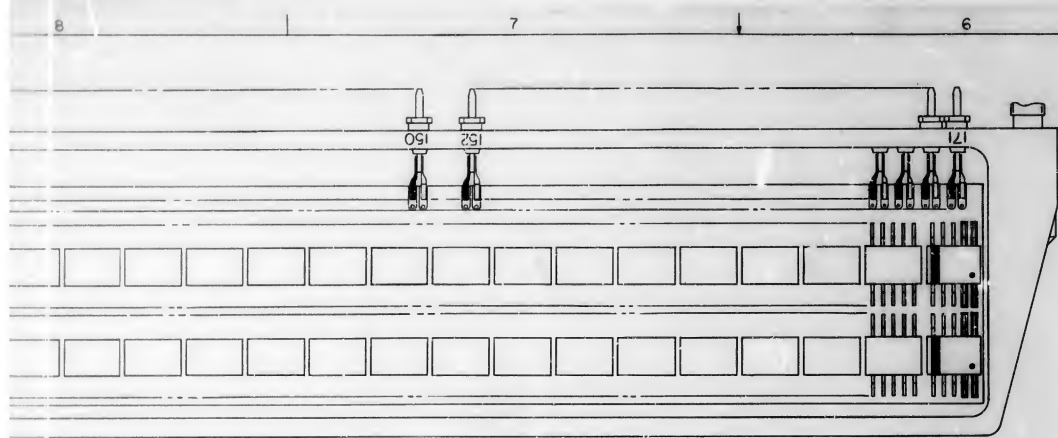
NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. WELD FIND NO. 9 TO FIND NO. 2 AND FIND NO. 3 PER ND1002256
3. UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH ND1002069
4. AIR DENTOTES AS REQUIRED
5. ENCAPSULATE PER ND1002002, REMOVE FLASHING
6. MARK 10/08 HIGH WHITE CHARACTERS PER ND1002019 AND ND1002122, TYPE II, CLASS 2
7. MARK 26/24 HIGH WHITE CHARACTERS PER ND1002019 AND ND1002122, TYPE II, CLASS 2
8. BOND FIND 2 AND 3 TO FIND NO. 1 PER ND1002004 TYPE I
9. WELD FIND NO. 10 TO FIND NO. 1 PER ND1002005
10. WELD PER ND1002005 EXCEPT THAT THE ANGLE OF THE JOINT SHALL BE 180° ± 45°
11. SEAL INSULATORS AND TERMINALS TO HEADER PER ND1002004 TYPE II
12. COMPLETED ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF P.S. 2003121
13. COAT INDICATED SURFACES, BOTH ENDS, TOP AND BOTTOM, BOTH SIDES, PER ND1002017, TYPE II
14. NO CONNECTION BETWEEN PIN 232 AND ASSOCIATED PAD (-061 CONFIGURATION ONLY)
15. SPRAY COAT INDICATED SURFACES WITH .005 MINIMUM THICKNESS UNPIGMENTED COATING PER ND1002055

SEE NOTE 10

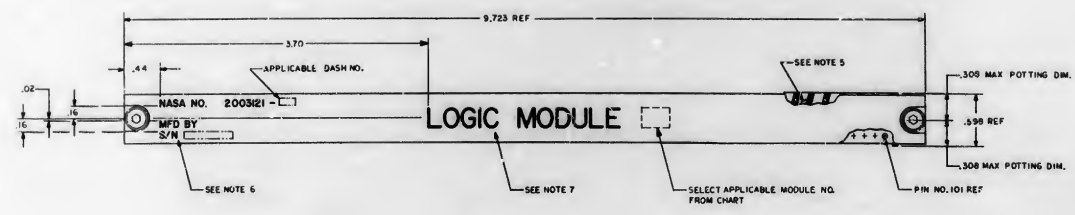
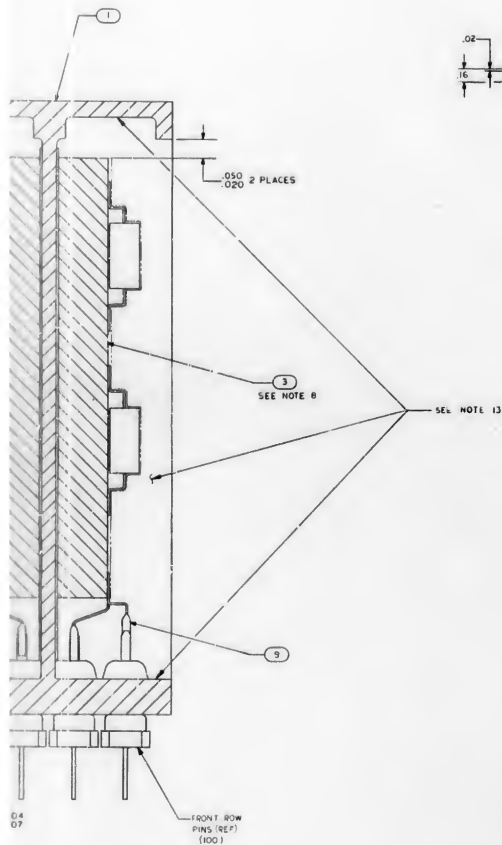
F1

2003121



F2

2003121



MARKING VIEW
SCALE 2/1

REF. MOD. NO.	PART NO.	PIN 101	PIN 102	PIN 103
A1	2003121-011	2003084-021	2003086-011	
A2	-020	-081	-030	
A3	-030	-040	-020	
A4	-040	-080	-070	
A5	-050	-111	-090	
A6	-060	-133	-011	
A7	-070	-154	-141	
A8 -11	-080	-177	-161	
A12	-090	-261	-251	
A13	-111	-277	-267	
A14	-140	-311	-289	
A15	-131	-333	-321	
A16	-141	-354	-341	
A17	-151	-377	-361	
A18	-161	-399	-380	
A19	-171	-421	-411	
A20	-181	-442	-431	
A21	-191	-461	-450	
A22	-211	-480	-471	
A23	-231	-511	-499	
A24	2003121-230	2003086-230	2003086-221	

SEE NOTE 14

SECTION A-A
SCALE 10/1

F3

QTY. APPLY TO EACH SEE CHART	PART NO.	DESCRIPTION
1	2003121-011	WIRE ELECTRICAL
1	2003121-011	WIRE ELECTRICAL
1	2003121-011	WASHER PLAT
1	2003121-011	WASHER PLAT
1	2003121-011	SCREW, ALUMINUM
1	2003121-011	RING, ALUMINUM
1	2003121-011	CIRCUIT BOARD ASSEMBLY
1	2003121-011	CIRCUIT BOARD ASSEMBLY
1	2003121-011	HEADER HOUSING ASSEMBLY

QTY.	PART NO.	DESCRIPTION
1	2003121-011	WIRE ELECTRICAL
1	2003121-011	WIRE ELECTRICAL
1	2003121-011	WASHER PLAT
1	2003121-011	WASHER PLAT
1	2003121-011	SCREW, ALUMINUM
1	2003121-011	RING, ALUMINUM
1	2003121-011	CIRCUIT BOARD ASSEMBLY
1	2003121-011	CIRCUIT BOARD ASSEMBLY
1	2003121-011	HEADER HOUSING ASSEMBLY

2003121

2003121

A

APOLLO G&N Specification

PS 2003121 Rev. C

Original Issue Date: 4-26-66

Release Authority: TDRR 28256

Class Release

PROCUREMENT SPECIFICATION

PRODUCT CONFIGURATION AND ACCEPTANCE TEST REQUIREMENTS

LOGIC MODULE ASSEMBLIES

(MODULES A1-A24)

DRAWING NO. 2003121

Record of Revisions

	Date	Revision Letter	TDRR No.	Pages Revised	Approvals	
					MIT	NASA
(M)	5/24/66	A	29052	1, 4, 6, 7, and 8	SM3 FA	SM3 FA
(M)	7/1/66	B	29909	1, 6, & 8	SM3 FA	SM3 FA
(M)	9/1/66	C	30873	1, 5	SM3 FA	SM3 FA

This specification consists of pages 1 to 8 inclusive.

APPROVALS	G. METZGER	EC Hall 4634		B. W. Stebbins 4/26/66
	NASA/MSC	MIT/IL		RAY

R29, R50, R51

PART NO.	VALUE
1000788-23	4.51
-236	4.87
-207	4.83
-208	4.38
-209	3.08
-210	3.01
-211	3.17
-212	5.23
-213	3.30
-214	3.36
-215	4.42
-216	4.49
-217	3.56
-218	5.62
-219	3.60
-220	5.76
-221	5.83
-222	3.80
-223	5.27
-224	6.04
-225	6.12
-226	6.18
-227	6.26
-228	6.34
-229	6.42
-230	6.49
-231	6.57
-232	6.64
-233	6.73
-234	6.81
-235	6.90
-236	6.98
-237	7.06
-238	7.14
-239	7.23
-240	7.31
-241	7.41
1000788-25	7.50

R36, R37

PART NO.	VALUE
1000788-23	4.51
-236	4.87
-207	4.83
-208	4.38
-209	3.08
-210	3.01
-211	3.17
-212	5.23
-213	3.30
-214	3.36
-215	4.42
-216	4.49
-217	3.56
-218	5.62
-219	3.60
-220	5.76
-221	5.83
-222	3.80
-223	5.27
-224	6.04
-225	6.12
-226	6.18
-227	6.26
-228	6.34
-229	6.42
-230	6.49
-231	6.57
-232	6.64
-233	6.73
-234	6.81
-235	6.90
-236	6.98
-237	7.06
-238	7.14
-239	7.23
-240	7.31
-241	7.41
1000788-25	7.50

L2, L3

PART NO.	VALUE
1000788-21	3.9 UH
1000788-20	2.7 UH
1000788-21	3.3 UH

R36, R37

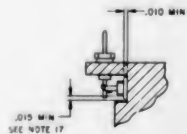
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-236	4.87
-207	4.83
-208	4.38
-209	3.08
-210	3.01
-211	3.17
-212	5.23
-213	3.30
-214	3.36
-215	4.42
-216	4.49
-217	3.56
-218	5.62
-219	3.60
-220	5.76
-221	5.83
-222	3.80
-223	5.27
-224	6.04
-225	6.12
-226	6.18
-227	6.26
-228	6.34
-229	6.42
-230	6.49
-231	6.57
-232	6.64
-233	6.73
-234	6.81
-235	6.90
-236	6.98
-237	7.06
-238	7.14
-239	7.23
-240	7.31
-241	7.41
1000788-25	7.50

R29, R50, R51

PART NO.	VALUE
1000788-23	4.51
-236	4.87
-207	4.83
-208	4.38
-209	3.08
-210	3.01
-211	3.17
-212	5.23
-213	3.30
-214	3.36
-215	4.42
-216	4.49
-217	3.56
-218	5.62
-219	3.60
-220	5.76
-221	5.83
-222	3.80
-223	5.27
-224	6.04
-225	6.12
-226	6.18
-227	6.26
-228	6.34
-229	6.42
-230	6.49
-231	6.57
-232	6.64
-233	6.73
-234	6.81
-235	6.90
-236	6.98
-237	7.06
-238	7.14
-239	7.23
-240	7.31
-241	7.41
1000788-25	7.50

R29, R50, R51

PART NO.	VALUE
1000788-23	4.51
-236	4.87
-207	4.83
-208	4.38
-209	3.08
-210	3.01
-211	3.17
-212	5.23
-213	3.30
-214	3.36
-215	4.42
-216	4.49
-217	3.56
-218	5.62
-219	3.60
-220	5.76
-221	5.83
-222	3.80
-223	5.27
-224	6.04
-225	6.12
-226	6.18
-227	6.26
-228	6.34
-229	6.42
-230	6.49
-231	6.57
-232	6.64
-233	6.73
-234	6.81
-235	6.90
-236	6.98
-237	7.06
-238	7.14
-239	7.23
-240	7.31
-241	7.41
1000788-25	7.50



SECTION B-B

NOTES:

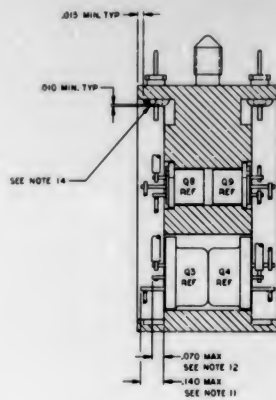
- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-10827
- AN DENOTES AS REQUIRED
- PT DENOTES FEED THRU
- 4 DENOTES POSITIVE SIDE OF CAPACITOR
- 5 DENOTES CATHODE SIDE OF DIODE
- WHITE DOT AND SINGLE DOTTED LEADS INDICATE LOWER LEVEL WIRING
- BLACK DOT AND SINGLE SOLID LEADS INDICATE UPPER LEVEL WIRING
- UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH ND 1002009
- WELD PER ND 1002009
- STAKE FIND NO. 16 THRU FIND NO. 33, 35, 36, 37, 39 AND 41. FIND NO. PER ND 1002009, 1002010, 1002011, 1002012, 1002013, 1002014, 1002015, 1002016, 1002017, 1002018, 1002019, 1002020, 1002021, 1002022, 1002023, 1002024, 1002025, 1002026, 1002027, 1002028, 1002029, 1002030, 1002031, 1002032, 1002033, 1002034, 1002035, 1002036, 1002037, 1002038, 1002039, 1002040, 1002041, 1002042, 1002043, 1002044, 1002045, 1002046, 1002047, 1002048, 1002049, 1002050, 1002051, 1002052, 1002053, 1002054, 1002055, 1002056, 1002057, 1002058, 1002059, 1002060, 1002061, 1002062, 1002063, 1002064, 1002065, 1002066, 1002067, 1002068, 1002069, 1002070, 1002071, 1002072, 1002073, 1002074, 1002075, 1002076, 1002077, 1002078, 1002079, 1002080, 1002081, 1002082, 1002083, 1002084, 1002085, 1002086, 1002087, 1002088, 1002089, 1002090, 1002091, 1002092, 1002093, 1002094, 1002095, 1002096, 1002097, 1002098, 1002099, 1002100, 1002101, 1002102, 1002103, 1002104, 1002105, 1002106, 1002107, 1002108, 1002109, 1002110, 1002111, 1002112, 1002113, 1002114, 1002115, 1002116, 1002117, 1002118, 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R11, R93	
PART NO.	VALUE
1006750-6	10
1006750-9	37
1006750-1	31
-4	68
-7	91
-9	110
-11	130
-12	150
-13	160
-14	160
-15	200
-16	220
1006750-17	240

R12	
PART NO.	VALUE
1006750-34	1500
-37	1600
-38	1800
-39	2000
1006750-41	2400

R94	
PART NO.	VALUE
1006750-27	420
-30	840
-32	1010
-33	1200
-35	1300
-36	1500
1006750-38	1800

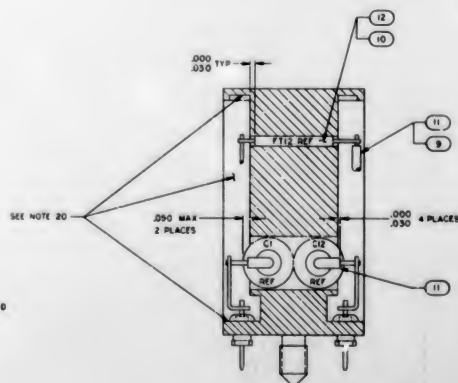
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PART NO.	VALUE
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-129	3750
-46	3800
-130	4000
-47	4300
1006750-48	4700



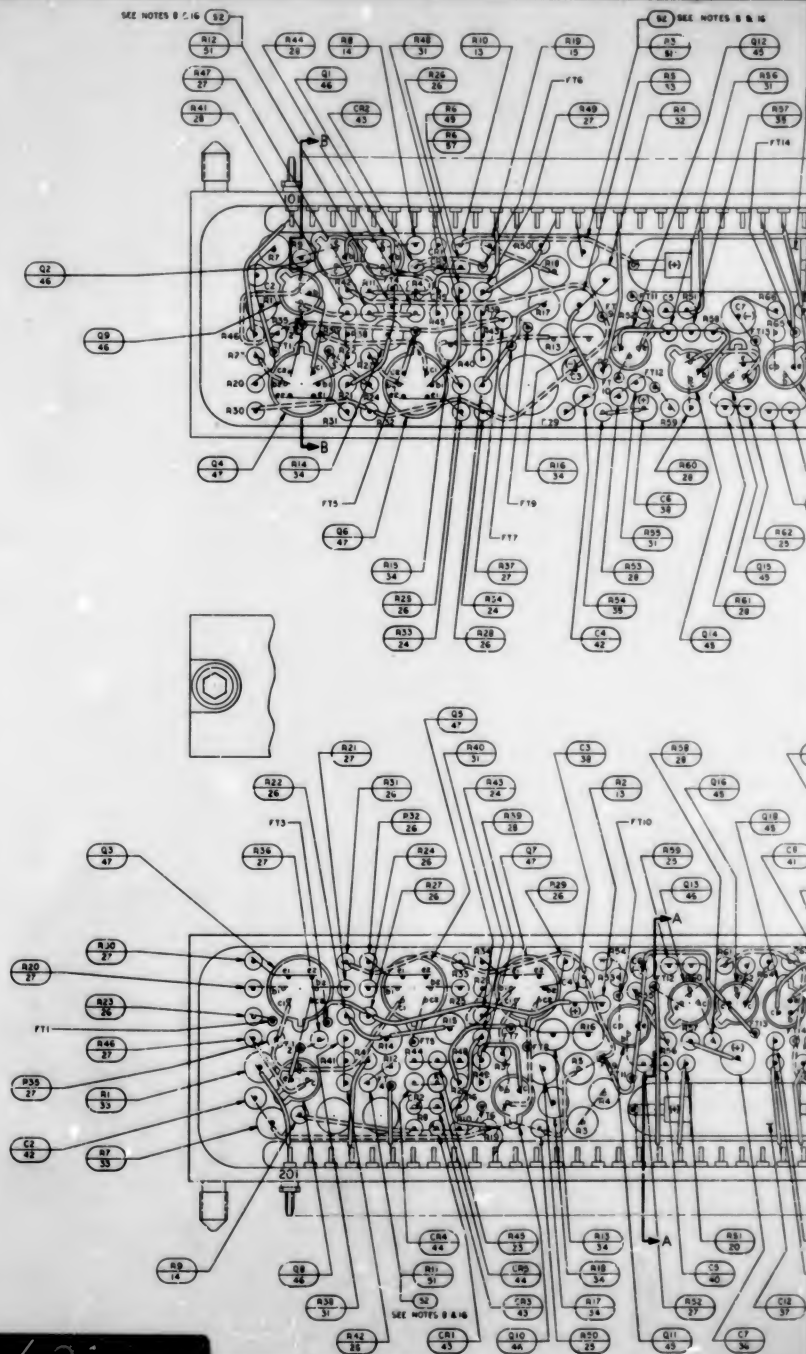
SECTION B-B
FIND NO. 7 & 8 REMOVED FOR CLARITY

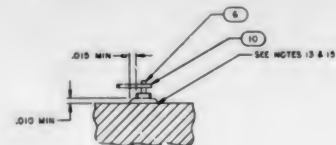
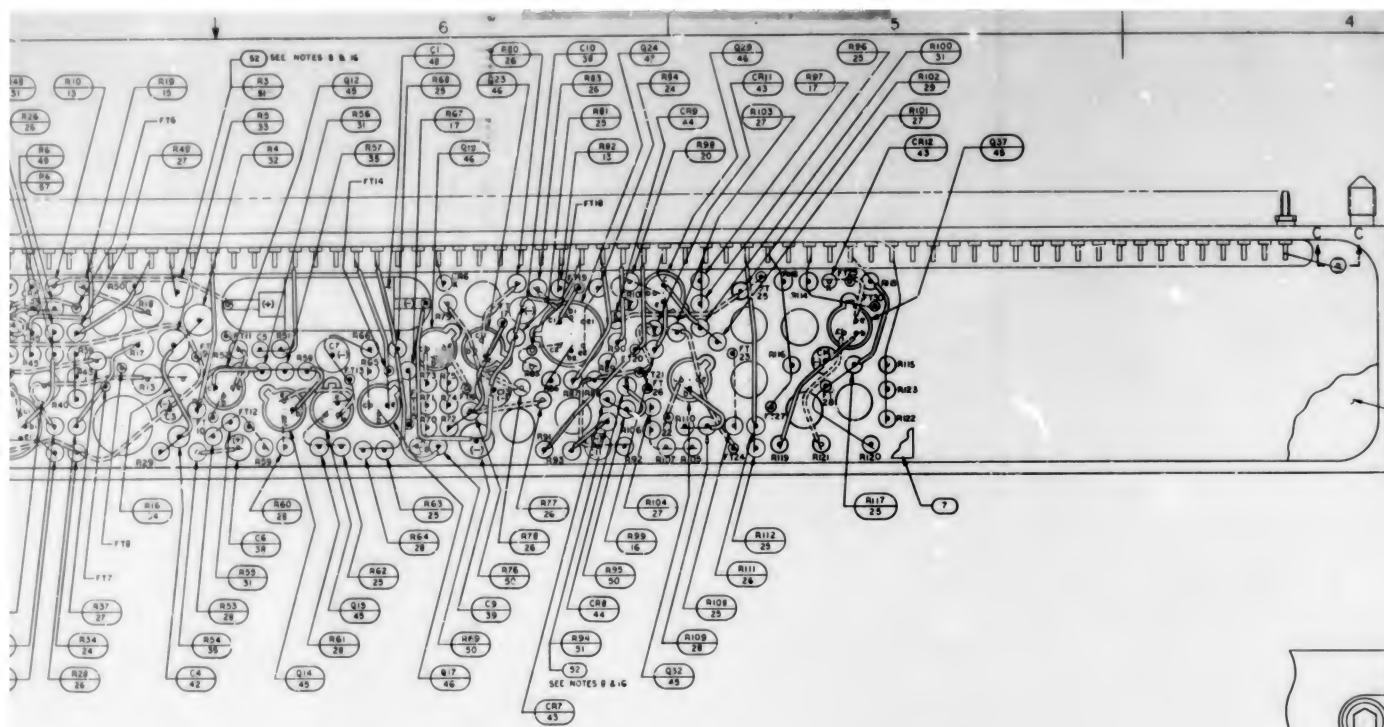
NOTES

- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
- AS DENOTES AS REQUIRED
- FT DENOTES FEED THRU
- 4 DENOTES POSITIVE SIDE OF CAPACITOR
- 4 DENOTES CATHODE SIDE OF DIODE
- MARK .10/.00 HIGH WHITE CHARACTERS PER ND1002019 AND ND100212, TYPE II, CLASS 2 AND SERIALIZE PER ND100203 USING INK (1006271-1)
- MARK .26/.24 HIGH WHITE CHARACTERS PER ND1002019 AND ND100212, TYPE II, CLASS 2 USING INK (1006271-1)
- ELECTRIFYING, R83 AND R84 PER APPLICABLE P5 FROM APPROPRIATE CHART
- WELD PER ND1002005
- UNLESS OTHERWISE SPECIFIED, ALL WIRING SHALL BE IN ACCORDANCE WITH ND1002069
- BLACK DOT AND SINGLE SOLID LEADS INDICATE UPPER LEVEL
- WHITE DOT AND SINGLE DOTTED LEADS INDICATE LOWER LEVEL WIRING
- MOUNTING TORQUE FOR FIND NO. 6 TO BE 15-20 INCH OUNCES
- SEAL INSULATORS AND TERMINALS TO HEADER PER ND1002004, TYPE III
- SEAL FIND NO. 6 TO HEADER PER ND1002004, TYPE III
- ASSEMBLY FIND NO. 52 TO MODULE AFTER SELECTED VALUE HAS BEEN DETERMINED
- STAKE FIND NO. 13 THRU FIND NO. 31 AND FIND NO. 53 THRU FIND NO. 57 TO FIND NO. 1 PER ND1002009 METHOD C OR D
- ENCAPSULATE PER ND1002002, REMOVE FLASHING
- COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF NS 2003069
- COAT INDICATED SURFACES, BOTH ENDS, TOP AND BOTTOM, BOTH SIDES PER ND1002187, TYPE II



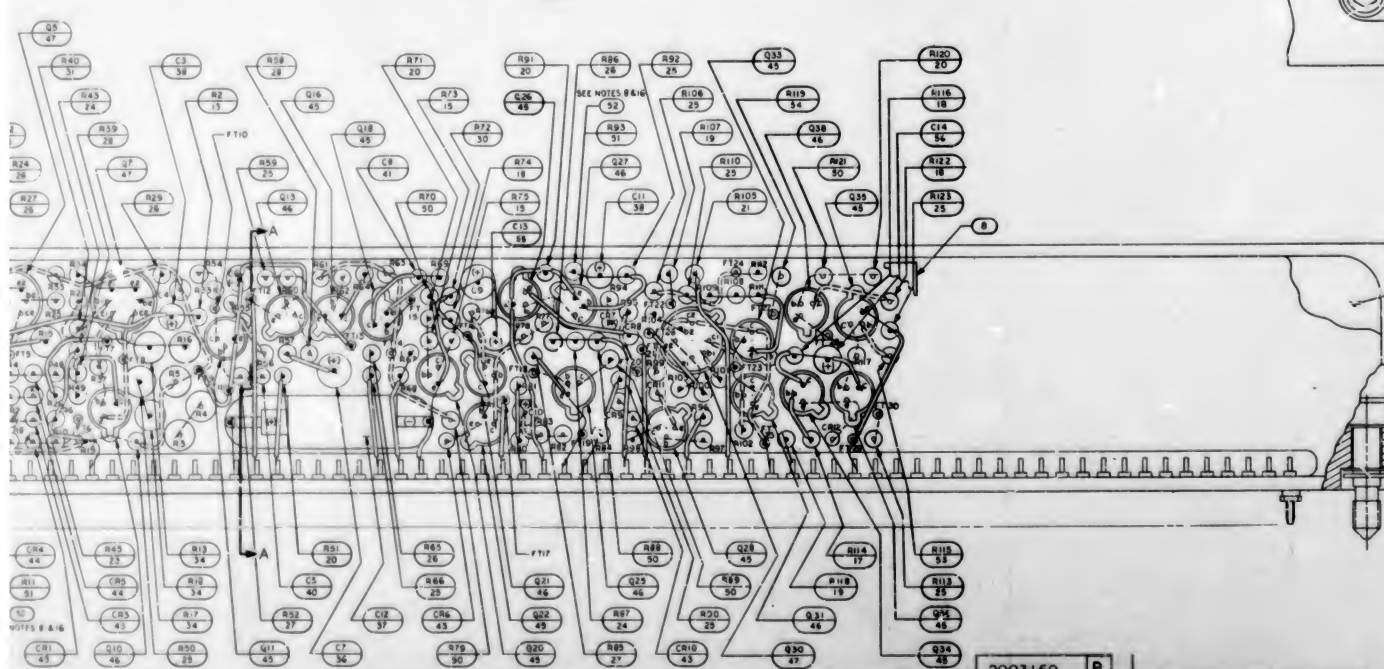
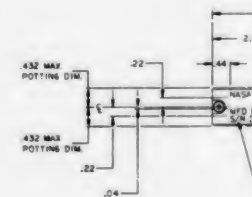
SECTION A-A
FIND NO. 7 & 8 REMOVED FOR CLARITY





PARTIAL SECTION C-C

SEE NOTE 18



SEE NOTE 18

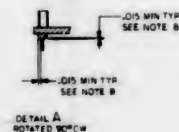
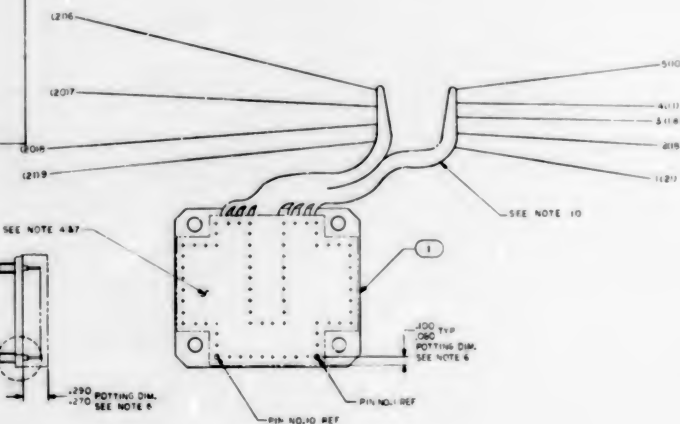
1

1. NAME OF THE COMPANY 2. ADDRESS 3. CITY 4. STATE 5. ZIP CODE 6. PHONE NUMBER 7. FAX NUMBER 8. E-MAIL ADDRESS 9. WEBSITE ADDRESS 10. OTHER INFORMATION		11. NAME OF THE PROJECT 12. ADDRESS 13. CITY 14. STATE 15. ZIP CODE 16. PHONE NUMBER 17. FAX NUMBER 18. E-MAIL ADDRESS 19. WEBSITE ADDRESS 20. OTHER INFORMATION	
21. NAME OF THE PROJECT 22. ADDRESS 23. CITY 24. STATE 25. ZIP CODE 26. PHONE NUMBER 27. FAX NUMBER 28. E-MAIL ADDRESS 29. WEBSITE ADDRESS 30. OTHER INFORMATION		31. NAME OF THE PROJECT 32. ADDRESS 33. CITY 34. STATE 35. ZIP CODE 36. PHONE NUMBER 37. FAX NUMBER 38. E-MAIL ADDRESS 39. WEBSITE ADDRESS 40. OTHER INFORMATION	

ASSEMBLY INFORMATION CHART									
FROM							TO		
REMARKS	COND	STA	DES	CTGR	AWD	ENG	STA	DES	REMARKS
	PLANT	ING				NO			
	A-1	1	A-2		2		3	TB-71	
	A-2	2	A-3		3		4	TB-64	
	A-3	3	A-4		4		5	TB-65	
	A-4	4	A-5		5		6	TB-70	
	A-5	5	A-6		6		7	TB-77	
	A-6	6	A-7		7		8	TB-72	
	A-7	7	A-8		8		9	TB-73	
	A-8	8	A-9		9		10	TB-74	
	A-9	9	A-10		10		11	TB-75	
	A-10	10	A-11		11		12	TB-76	
	A-11	11	A-12		12		13	TB-77	
	A-12	12	A-13		13		14	TB-78	
	A-13	13	A-14		14		15	TB-79	
	A-14	14	A-15		15		16	TB-80	
	A-15	15	A-16		16		17	TB-81	
	A-16	16	A-17		17		18	TB-82	
	A-17	17	A-18		18		19	TB-83	
	A-18	18	A-19		19		20	TB-84	
	A-19	19	A-20		20		21	TB-85	
	A-20	20	A-21		21		22	TB-86	
	A-22	22	A-23		23		24	TB-87	
	A-23	23	A-24		24		25	TB-88	
	A-24	24	A-25		25		26	TB-89	
	A-25	25	A-26		26		27	TB-90	
	A-26	26	A-27		27		28	TB-91	
	A-27	27	A-28		28		29	TB-92	
	A-28	28	A-29		29		30	TB-93	
	A-29	29	A-30		30		31	TB-94	
	A-30	30	A-31		31		32	TB-95	
	A-31	31	A-32		32		33	TB-96	
	A-32	32	A-33		33		34	TB-97	
	A-33	33	A-34		34		35	TB-98	
	A-34	34	A-35		35		36	TB-99	
	A-35	35	A-36		36		37	TB-100	
	A-36	36	A-37		37		38	TB-101	
	A-37	37	A-38		38		39	TB-102	
	A-38	38	A-39		39		40	TB-103	
	A-39	39	A-40		40		41	TB-104	
	A-40	40	A-41		41		42	TB-105	
	A-41	41	A-42		42		43	TB-106	
	A-42	42	A-43		43		44	TB-107	
	A-43	43	A-44		44		45	TB-108	
	A-44	44	A-45		45		46	TB-109	
	A-45	45	A-46		46		47	TB-110	
	A-46	46	A-47		47		48	TB-111	
	A-47	47	A-48		48		49	TB-112	
	A-48	48	A-49		49		50	TB-113	
	A-49	49	A-50		50		51	TB-114	
	A-50	50	A-51		51		52	TB-115	

[illegible]

ASSEMBLY INFORMATION CHART									
DESCRIPTION									
FROM		TO		FROM		TO		FROM	
REMARKS	DATE	S/N	DEV	COLOR	AWG	FACE	S/N	DEV	REMARKS
AI-21	10	-10	-10				8	YB-20	
AI-22		-10	-10				8	YB-34	
AI-23		-10	-10				2	YB-50	
AI-24		-10	-10				1	A-76	
AI-25		-10	-10				3	-75	
AI-26		-10	-10				3	-80	
AI-27		-10	-10				2	-80	
AI-28		-10	-10				1	-79	
AI-29		-10	-10				1	YB-92	
AI-30		-10	-10				9	-81	
AI-31		-10	-10				8	YB-94	
AI-32		-10	-10				2	YB-94	
AI-33		-10	-10				6	YB-94	
AI-34		-10	-10				9	-82	
AI-35		-10	-10				3	YB-94	
AI-36		-10	-10				2	-72	
AI-37		-10	-10				3	YB-94	
AI-38		-10	-10				1	-72	
AI-39		-10	-10				2	-72	
AI-40		-10	-10				3	YB-94	
AI-41		-10	-10				3	YB-94	
AI-42		-10	-10				1	YB-94	
AI-43		-10	-10				4	-61	
AI-44		-10	-10				5	-64	
AI-45		-10	-10				3	-61	
AI-46		-10	-10				4	-61	
AI-47		-10	-10				2	-55	
AI-48		-10	-10				4	-53	
AI-49		-10	-10				2	-53	
AI-50		-10	-10				2	-60	
AI-51		-10	-10				1	-71	
AI-52		-10	-10				2	-51	
AI-53		-10	-10				1	-61	
AI-54		-10	-10				1	YB-98	
AI-55		-10	-10				9	YB-98	
AI-56		-10	-10				9	-71	
AI-57		-10	-10				9	-71	
AI-58		-10	-10				7	-73	
AI-59		-10	-10				9	-61	
AI-60		-10	-10				1	YB-98	



- 10-7
11-1
- 1. INTERVIEW DURING IN ATTENDANCE WITH STANDARDS PRESCRIBED BY MIL-D-7023
 - 2. AIR CUES AS REC-96
 - 3. USE US ASSESSMENT INFORMATION CHART PER NEOJ002031
 - 4. IDENTIFY AND TIME FINDING INFORMATION PER NEOJ000039 [OPTIONAL]
 - 5. IDENTIFY WITHOUT NO. 0020000039
 - 6. EMPLOYERATE PER NEOJ002036
 - 7. DESIGN FINDING USING FINDING NUMBER WHERE REQUIRED
- REMARKS: 1. THIS THE SIGNATURE OF THE OFFICER
- 8. STATE THE STATUS OF FINDING INFORMATION TYPE 2
 - 9. SIGN OF FINDING IS NOT OPTIONAL
10. SUBMITTER PER NEOJ002039

SEE NOTE

[illegible]

PS 2003901 Rev. -

Original Issue Date: 5-11-66

Release Authority: TDRR 28742

Class A Release

PROCUREMENT SPECIFICATION

PRODUCT CONFIGURATION AND ACCEPTANCE TEST REQUIREMENTS

AGC DSKY POWER SUPPLY ASSEMBLY

(MODULE D7)

DRAWING NO. 2003901

Record of Revisions

[illegible]

This specification consists of pages 1 to 7 inclusive.

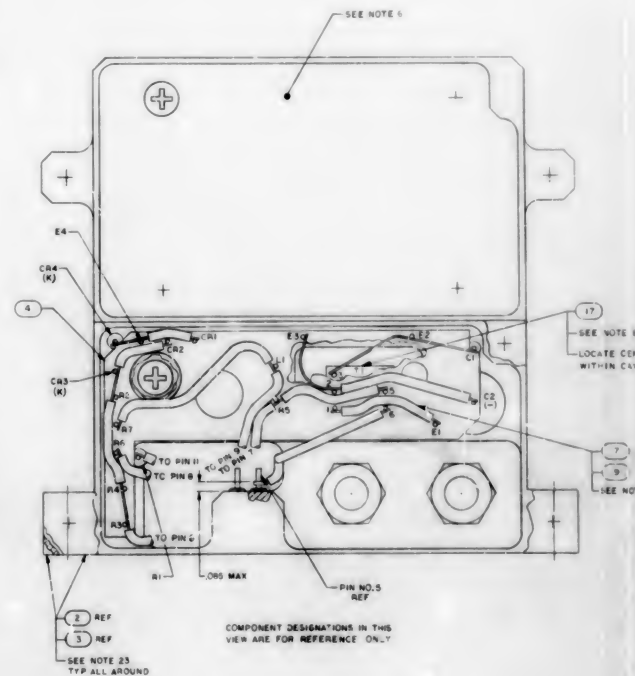
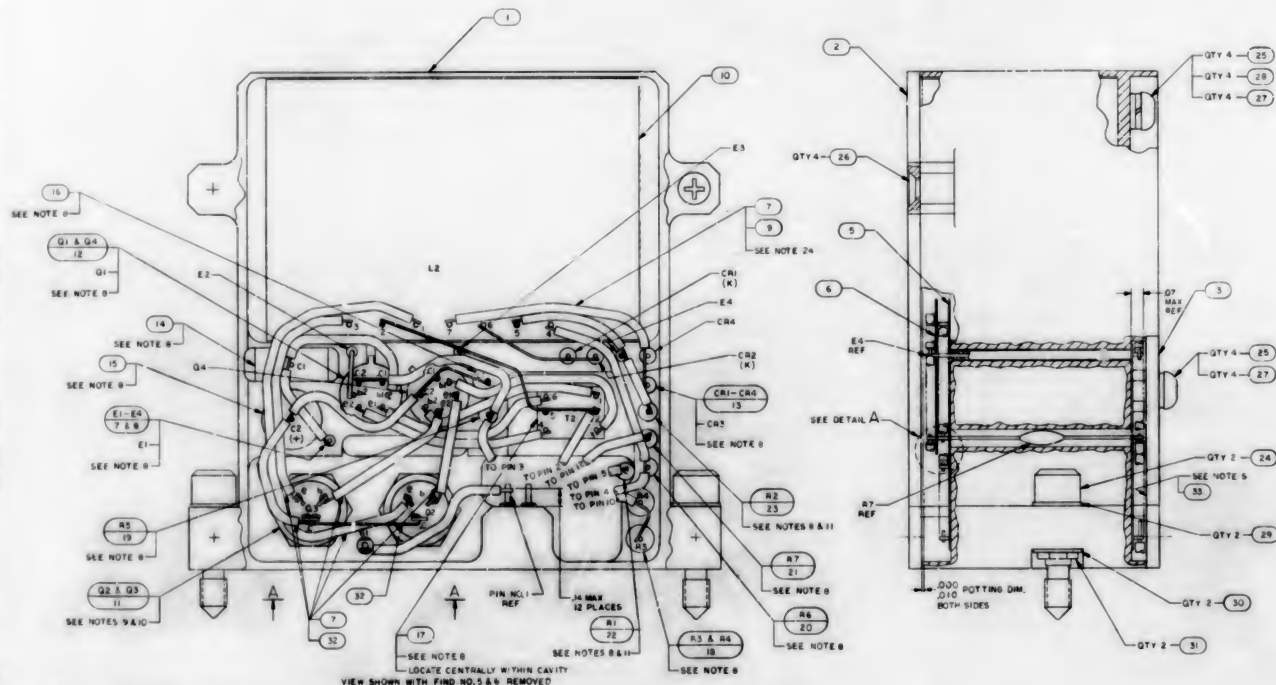
APPROVALS	A. G. METZGER NASA/MSC	20 Feb 5/11/66 MIT/IL	20 MAR 66 RAY
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Figure 1 consists of two charts, Chart A and Chart B, illustrating the relationship between Part No. and Value. Both charts have a y-axis labeled 'PART NO. VALUE' and an x-axis labeled '1006750-41'.

Chart A: This chart shows a linear relationship. The y-axis values are 1006750-41, -42, -43, -44, -45, -46, -47, -48, -126, -127, -128, and 1006750-129. The x-axis values are 24.00, 27.00, 30.00, 33.00, 36.00, 39.00, 42.00, 45.00, 28.50, 31.50, 34.50, and 37.50. The data points are connected by a straight line.

Chart B: This chart shows a non-linear relationship. The y-axis values are 1006750-19, -22, -25, -27, -28, -29, -30, -31, -32, -33, -34, -35, -36, and 1006750-36. The x-axis values are 24.00, 27.00, 30.00, 33.00, 36.00, 39.00, 42.00, 45.00, 28.50, 31.50, 34.50, 37.50, 40.50, 43.50, 46.50, 49.50, 52.50, 55.50, 58.50, 61.50, 64.50, 67.50, 70.50, 73.50, 76.50, 79.50, 82.50, 85.50, 88.50, 91.50, 94.50, 97.50, 100.50, 103.50, 106.50, 109.50, 112.50, 115.50, 118.50, 121.50, 124.50, 127.50, 130.50, 133.50, 136.50, 139.50, 142.50, 145.50, 148.50, 151.50, 154.50, 157.50, 160.50, 163.50, 166.50, 169.50, 172.50, 175.50, 178.50, 181.50, 184.50, 187.50, 190.50, 193.50, 196.50, 199.50, 202.50, 205.50, 208.50, 211.50, 214.50, 217.50, 220.50, 223.50, 226.50, 229.50, 232.50, 235.50, 238.50, 241.50, 244.50, 247.50, 250.50, 253.50, 256.50, 259.50, 262.50, 265.50, 268.50, 271.50, 274.50, 277.50, 280.50, 283.50, 286.50, 289.50, 292.50, 295.50, 298.50, 301.50, 304.50, 307.50, 310.50, 313.50, 316.50, 319.50, 322.50, 325.50, 328.50, 331.50, 334.50, 337.50, 340.50, 343.50, 346.50, 349.50, 352.50, 355.50, 358.50, 361.50, 364.50, 367.50, 370.50, 373.50, 376.50, 379.50, 382.50, 385.50, 388.50, 391.50, 394.50, 397.50, 400.50, 403.50, 406.50, 409.50, 412.50, 415.50, 418.50, 421.50, 424.50, 427.50, 430.50, 433.50, 436.50, 439.50, 442.50, 445.50, 448.50, 451.50, 454.50, 457.50, 460.50, 463.50, 466.50, 469.50, 472.50, 475.50, 478.50, 481.50, 484.50, 487.50, 490.50, 493.50, 496.50, 499.50, 502.50, 505.50, 508.50, 511.50, 514.50, 517.50, 520.50, 523.50, 526.50, 529.50, 532.50, 535.50, 538.50, 541.50, 544.50, 547.50, 550.50, 553.50, 556.50, 559.50, 562.50, 565.50, 568.50, 571.50, 574.50, 577.50, 580.50, 583.50, 586.50, 589.50, 592.50, 595.50, 598.50, 601.50, 604.50, 607.50, 610.50, 613.50, 616.50, 619.50, 622.50, 625.50, 628.50, 631.50, 634.50, 637.50, 640.50, 643.50, 646.50, 649.50, 652.50, 655.50, 658.50, 661.50, 664.50, 667.50, 670.50, 673.50, 676.50, 679.50, 682.50, 685.50, 688.50, 691.50, 694.50, 697.50, 700.50, 703.50, 706.50, 709.50, 712.50, 715.50, 718.50, 721.50, 724.50, 727.50, 730.50, 733.50, 736.50, 739.50, 742.50, 745.50, 748.50, 751.50, 754.50, 757.50, 760.50, 763.50, 766.50, 769.50, 772.50, 775.50, 778.50, 781.50, 784.50, 787.50, 790.50, 793.50, 796.50, 799.50, 802.50, 805.50, 808.50, 811.50, 814.50, 817.50, 820.50, 823.50, 826.50, 829.50, 832.50, 835.50, 838.50, 841.50, 844.50, 847.50, 850.50, 853.50, 856.50, 859.50, 862.50, 865.50, 868.50, 871.50, 874.50, 877.50, 880.50, 883.50, 886.50, 889.50, 892.50, 895.50, 898.50, 901.50, 904.50, 907.50, 910.50, 913.50, 916.50, 919.50, 922.50, 925.50, 928.50, 931.50, 934.50, 937.50, 940.50, 943.50, 946.50, 949.50, 952.50, 955.50, 958.50, 961.50, 964.50, 967.50, 970.50, 973.50, 976.50, 979.50, 982.50, 985.50, 988.50, 991.50, 994.50, 997.50, 1000.50, 1003.50, 1006.50, 1009.50, 1012.50, 1015.50, 1018.50, 1021.50, 1024.50, 1027.50, 1030.50, 1033.50, 1036.50, 1039.50, 1042.50, 1045.50, 1048.50, 1051.50, 1054.50, 1057.50, 1060.50, 1063.50, 1066.50, 1069.50, 1072.50, 1075.50, 1078.50, 1081.50, 1084.50, 1087.50, 1090.50, 1093.50, 1096.50, 1099.50, 1102.50, 1105.50, 1108.50, 1111.50, 1114.50, 1117.50, 1120.50, 1123.50, 1126.50, 1129.50, 1132.50, 1135.50, 1138.50, 1141.50, 1144.50, 1147.50, 1150.50, 1153.50, 1156.50, 1159.50, 1162.50, 1165.50, 1168.50, 1171.50, 1174.50, 1177.50, 1180.50, 1183.50, 1186.50, 1189.50, 1192.50, 1195.50, 1198.50, 1201.50, 1204.50, 1207.50, 1210.50, 1213.50, 1216.50, 1219.50, 1222.50, 1225.50, 1228.50, 1231.50, 1234.50, 1237.50, 1240.50, 1243.50, 1246.50, 1249.50, 1252.50, 1255.50, 1258.50, 1261.50, 1264.50, 1267.50, 1270.50, 1273.50, 1276.50, 1279.50, 1282.50, 1285.50, 1288.50, 1291.50, 1294.50, 1297.50, 1300.50, 1303.50, 1306.50, 1309.50, 1312.50, 1315.50, 1318.50, 1321.50, 1324.50, 1327.50, 1330.50, 1333.50, 1336.50, 1339.50, 1342.5



NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. WELD PER NID00202
3. SOLDER PER NID00207 USING SOLDER PER NID00205
4. ENCAPSULATE PER NID00206
5. APPLY FINO NO.52 TO INDICATED AREA
6. INDICATED AREA TO BE FREE OF ENCAPSULATING COMPOUND
7. ALL WELDS SHOWN WITH FILLING REMOVED FOR CLARITY
8. FINO FINO NO.11 THIN FINO NO.52 TO FINO NO.1 PER NID00203 METHOD OR C
9. NEW MICA WATERS TO BE INSTALLED EACH TIME FINO NO.11 IS DISASSEMBLED
10. MOUNTING TORQUE FOR FINO NO.12 TO PG.8 IS INCH POUNDS
11. THE NAME OF THE MANUFACTURER OF THE COMPONENTS TO BE DETERMINED AT ELECTRICAL
TEST, FINO NO.22 TO BE SELECTED FROM CHART A AND FINO NO.23 TO SELECTED
FROM CHART B
12. A DE NOTES AS REQUIRED
13. A DE NOTER CATHODE SIDE OF DIODE
14. WHITE DOT & CLEAN LANE INDICATES LOWER LEVEL WIRING
15. PLACE DOT & CATH MATCHED LANE INDICATES UPPER LEVEL WIRING
16. ALL OTHER TERMINAL DESIGNATIONS SHOWN HEREIN SHALL BE IN ACCORDANCE WITH NID00209
17. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN, PREFIX THE DESIGNATION WITH UNIT NUMBER
OR ASSEMBLY DESIGNATION OR BOTH
18. FINO 27,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956

20. + DENOTES POSITIVE SIDE OF CAPACITOR
21. - DENOTES NEGATIVE SIDE OF CAPACITOR
22. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND MEET ALL THE REQUIREMENTS OF R.S. 2003501
23. FIND NO.2 AND 3 SHALL NOT OVERHANG EDGES OF FIND NO.1
24. UNLESS OTHERWISE SPECIFIED ALL WIRING TO BE FIND NO.9

2003901

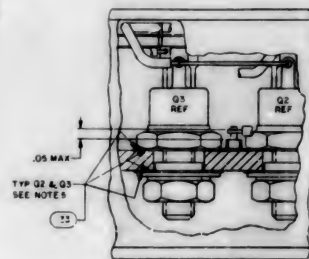
		UNIT 8
		GRADE
		TEACHER
		NAME
		DO NOT
		REMOVE
8003900		TEST
NEST COPY	USED ON	
EXPLANATION		

—SEE NOTE 12

3 PLACES

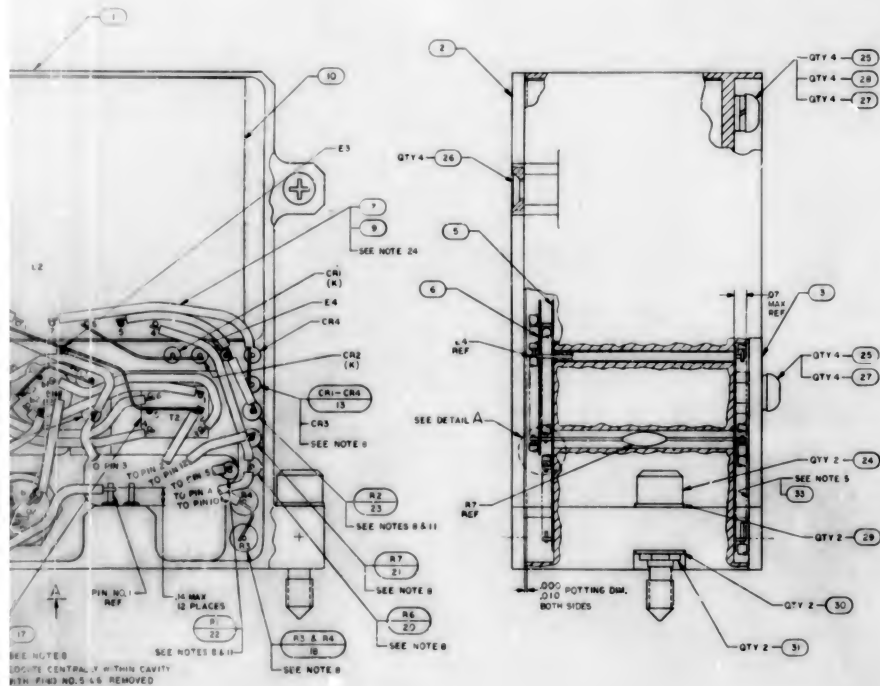


DETAIL A
SCALE 10/1

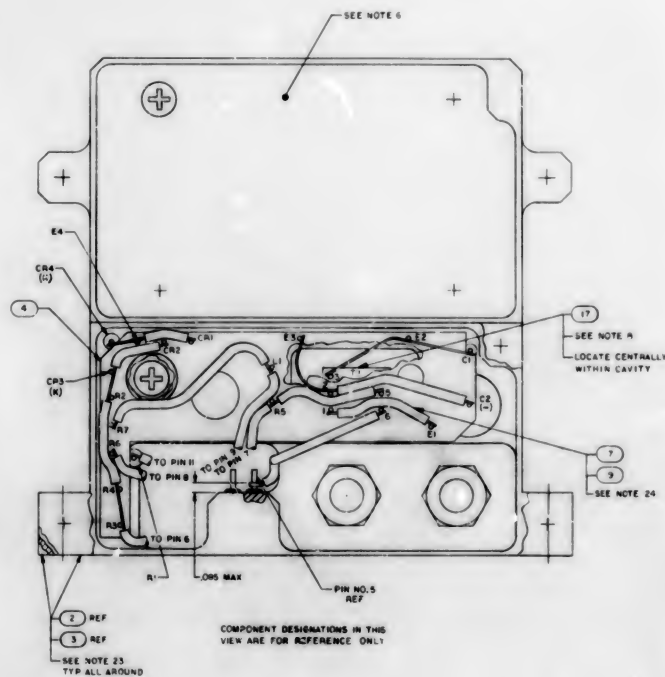


VIEW A-A

CHART A	
PART NO.	VALUE
1006750-41	2400
-42	2700
-43	3000
-44	3300
-45	3600
-46	3900
-47	4300
-48	4700
-126	2850
-127	3150
-128	3450
1006750-129	3750



20. + DENOTES POSITIVE SIDE OF CAPACITOR
21. - DENOTES NEGATIVE SIDE OF CAPACITOR
22. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE
WITH AND MEET ALL THE REQUIREMENTS OF R.S.20090C1
23. FIND NO.2 AND 3 SHALL NOT OVERHANG EDGES OF
FIND NO.1
24. UNLESS OTHERWISE SPECIFIED ALL WIRING TO BE FIND NO.1



COMPONENT DESIGNATIONS IN THIS
VIEW ARE FOR REFERENCE ONLY

[illegible][illegible]

1.0 SCOPE

This specification establishes the detail requirements for identification and acceptance of the AGC DSKY Power Supply Module (D7) Part No. 2003901-021.

2.0 APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein.

2.1 EFFECTIVE ISSUES. Unless otherwise specified herein, Military and Government Standards and Specifications shall be the issue in effect on the date of request for proposal or invitation to bid.

SPECIFICATIONS

APOLLO G&N

ND 1002214

General Specification for Preservation, Packaging, Packing, and Container Marking of Apollo Guidance and Navigation Major Assemblies, Assemblies, Subassemblies, Parts and Associated Ground Support Equipment.

DRAWINGS

APOLLO G&N

2003901

POWER SUPPLY ASSEMBLY, MODULE D7
AGC DSKY

(Copies of Specifications, drawings, standards, bulletins, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer).

2.2 CONFLICTING REQUIREMENTS. In the event of conflict between the requirements of the contract, this specification, and the documents listed in this section, the following order of precedence shall apply and the contractor shall notify MIT APOLLO Management of the conflict as soon as it is determined.

- a. The contract
- b. This specification
- c. Documents listed in this section

3.0 REQUIREMENTS

3.1 **PERFORMANCE.** The Power Supply Module (D7) consists of a load-regulated push-pull amplifier. The circuitry is such that when an 8 volt (nominal) 800 cps square wave input is filtered and amplified, an open circuit output of 250 VRMS (nominal) at 800 cps is obtained.

3.1.1 **Thermal Conditioning.** The module shall be subjected to two complete thermal cycles, as specified below prior to acceptance testing:

25°C down to -10°C \pm 3.0°C in NLT 20 minutes, held at -10°C \pm 3.0°C for NLT 30 minutes, raised to +70°C \pm 3.0°C in NLT 40 minutes, held at +70°C \pm 3.0°C for NLT 30 minutes, lowered to 25°C in NLT 20 minutes.

3.1.2 **Insulation Resistance.** The insulation resistance between chassis ground pin 1 and all other pins connected together shall be 100 megohms minimum.

3.1.3 **Isolation Resistance.** The isolation resistance between pins 4, 6, 8, and 10 connected together and pins 2, 3, 5, 7, 9, 11, and 12 connected together shall be not less than 100 megohms.

3.1.4 **Continuity.** The resistance between the chassis ground pin 1 and the chassis shall be 0.5 ohms maximum.

3.1.5 **Pin To Pin Resistance.** All pins not mutually insulated shall exhibit the resistance values shown on the unit schematic.

Reference Values: Pins 3 and 7; 1.0K \pm 2%; Pins 9 and 12, 10K \pm 2%
Pins 4 and 8, 20K \pm 2%; Pins 6 and 10, 11K \pm 2%

3.1.6 **Input Voltages.** The module shall function within the limits specified in Table I when supplied with the DC voltage (nominal and marginal), the proper input signal, and the attenuation of a 10K potentiometer as specified in Figure 1.

3.1.7 **Load and Output Characteristics.** The module shall develop the output voltages specified in Table I when operated into the equivalent loads specified in Figure 1.

3.1.8 The module shall perform as specified in 3.1.6 and 3.1.7 when installed in an operating DSKY which is being subjected to the vibration requirements specified in the applicable specifications for the DSKY. Acceptance criteria for the module shall be the compliance of the DSKY with its applicable specifications.

3.2 PRODUCT CONFIGURATION

3.2.1 **DRAWINGS.** The module configuration shall be in accordance with APOLLO G&N Drawing 2003901 and all drawings and engineering data referenced thereon.

3.2.2 **Weight.** Maximum allowable weight of the module shall be 0.90 pounds.

Table 1 - NOMINAL AND MARGINAL OPERATION

		Pin 4 to 6 (EV250 to EVLO)				Pin 8 to 6 (EVH11 to EVLO)			
Input Voltages VDC		Load* Condition		Output Voltage (Vrms)**		Load* Condition		Output Voltage (Vrms)**	
14VDC	25VDC ***	No load	Full load	+25°C	-10°C +80°C	No load	Full load	+25°C	-10°C +80°C
14.0±0.1	25.0±0.2	X		250±10	250±30	X		247±10	247±30
14.0±0.1	25.0±0.2		X	250+10 -15	250±30		X	240+10 -15	240±30
14.0±0.1	21.0±0.2		X	250+10 -20	250+30 -35		X	240+10 -15	240+30 -35
14.0±0.1	18.0±0.2		X	250+10 -45	250+30 -60		X	240+10 -40	240+30 -60
14.0±0.1	36.0±0.2		X	250+15 -15	250+35 -30		X	240+15 -15	240+35 -30
15.0±0.1	25.0±0.2		X	250+40 -0	250+60 -0		X	240+40 -0	240+60 -0
17.0±0.1	25.0±0.2	X		250+80 -0		X		247+80 -0	
12.0±0.1	18.0±0.2		X	250+0 -60			X	240+0 -60	

*Full Load, as sever designated, is the application of both the EV250 and EVH11 loads.

**Variable from 0 to the values shown by varying the external potentiometer from minimum to maximum resistance.

***25 VDC Source Current, with the 10K potentiometer at max resistance, shall be NMT 75 milliamperes at NO LOAD and NMT 160 ma at FULL LOAD when measured at nominal input voltage at 25°C.

4.2 TESTS/VERIFICATION

4.2.1 Drawing Compliance. The modules shall be examined for compliance with the requirements of APOLVO G&N Drawing 2003901. Particular attention shall be given to inspection of contaminants, pin misalignment, legibility and appearance of marking, and damage to surfaces, structure and equipment.

4.2.2 Thermal Conditioning. Verify that the module was subjected to two complete thermal cycles as specified in 3.1.1 prior to performing the acceptance tests specified herein.

4.2.3 Insulation Resistance. Using test equipment with a test potential of 500 VDC limited to a short circuit current of 1.0 milliampere, measure the resistance between pin 1 and all other pins connected together. Verify that the resistance complies with that specified in paragraph 3.1.2.

4.2.4 Isolation Resistance. Using test equipment with a test potential of 500 VDC limited to a short circuit current of 1 milliampere, measure the resistance between pins 2, 3, 5, 7, 9, 11, and 12 connected together and pins 4, 6, 8, and 10 connected together to determine compliance with paragraph 3.1.3

4.2.5 Inputs-Outputs. Apply the input voltage and input signal with the load and input impedance connections as shown in Figure 1. Measure the output at points indicated to determine compliance with Table I at 25°C.

4.2.6 Pin to Pin. Measure the resistance between Pins 3 and 7, 4 and 8, 6 and 10, and 9 and 12 to determine compliance with Paragraph 3.1.5.

4.2.7 Continuity. Verify that the resistance measured between chassis ground pin 1 and the chassis complies with that specified in Paragraph 3.1.4.

4.2.8 Workmanship. The following tests shall be performed under the conditions specified as a verification of good workmanship.

4.2.8.1 Vibration. Install the module in DSKY. Subject the DSKY to the vibration tests specified in paragraph 3.1.8. Verify that the DSKY meets the requirements of the applicable specification.

4.2.8.2 Thermal Extremes and Marginal Voltages. Repeat the test of Paragraph 4.2.5 at -10°C +0, -2.8°C and +80°C -0, +2.8°C to determine compliance with Table I. Modules shall be stabilized at thermal extremes for $\frac{1}{2}$ hour before testing.

4.2.8.3 Weight. Weigh the module to the nearest .01 pound. Verify that the weight does not exceed the maximum allowable weight specified in paragraph 3.2.2.

5.0 PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with Specification ND 100221b.

6.0 NOTES: None

PS 2003901 Rev. A

Release Authority: TDRR 28742

PROPOSED REFINEMENT SPECIFICATION

AGC DSKY POWER SUPPLY ASSEMBLY

DRAWING NO. 2003901

[illegible]

APPROVALS

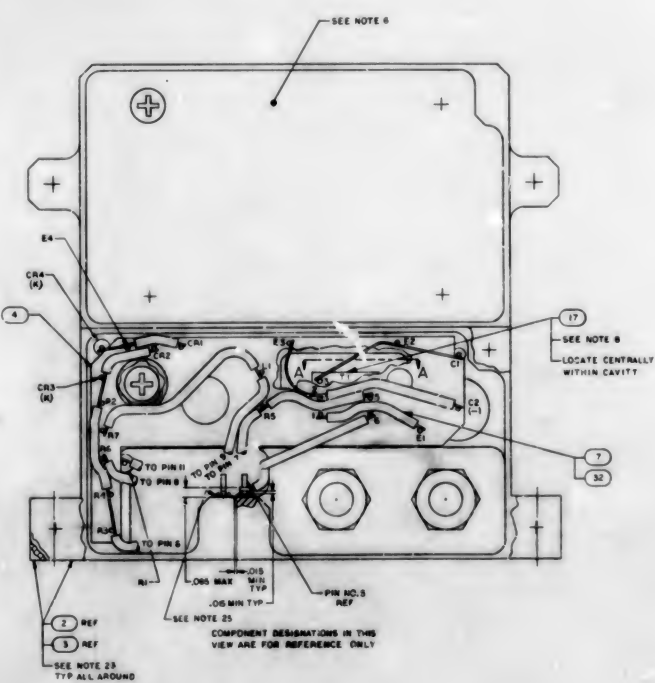
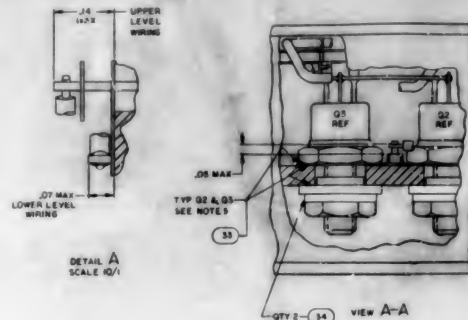
A. C. METZGER

NASA/MSC

cc 2nd 5/11/1966

MIT/IL

D. M. Sleepers
 25 MAR 66
 11/26/66
 RAY



1	MS775-B08	WASHER, FLAT	34
2	7029004	SCHEMATIC	REF
3	MS748	SILICON COMPOUND	35
4	MS748-75	WASHER, FLAT, 750 DIA.	35
5	MS74835-4015	CLIP, RETAINING, 400 DIA.	35
6	MS748-75	WASHER, FLAT	35
7	MS748-1	WASHER, FLAT	35
8	MS74835-78	WASHER, LOCK PLATE	35
9	MS748-75	WASHER, FLAT	35
10	MS74835-78	WASHER, LOCK PLATE	35
11	MS74835-78	WASHER, LOCK PLATE	35
12	MS74835-78	WASHER, LOCK PLATE	35
13	MS74835-78	WASHER, LOCK PLATE	35
14	MS74835-78	WASHER, LOCK PLATE	35
15	MS74835-78	WASHER, LOCK PLATE	35
16	MS74835-78	WASHER, LOCK PLATE	35
17	MS74835-78	WASHER, LOCK PLATE	35
18	MS74835-78	WASHER, LOCK PLATE	35
19	MS74835-78	WASHER, LOCK PLATE	35
20	MS74835-78	WASHER, LOCK PLATE	35
21	MS74835-78	WASHER, LOCK PLATE	35
22	MS74835-78	WASHER, LOCK PLATE	35
23	MS74835-78	WASHER, LOCK PLATE	35
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25	MS74835-78	WASHER, LOCK PLATE	35
26	MS74835-78	WASHER, LOCK PLATE	35
27	MS74835-78	WASHER, LOCK PLATE	35
28	MS74835-78	WASHER, LOCK PLATE	35
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36	MS74835-78	WASHER, LOCK PLATE	35
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38	MS74835-78	WASHER, LOCK PLATE	35
39	MS74835-78	WASHER, LOCK PLATE	35
40	MS74835-78	WASHER, LOCK PLATE	35
41	MS74835-78	WASHER, LOCK PLATE	35
42	MS74835-78	WASHER, LOCK PLATE	35
43	MS74835-78	WASHER, LOCK PLATE	35
44	MS74835-78	WASHER, LOCK PLATE	35
45	MS74835-78	WASHER, LOCK PLATE	35
46	MS74835-78	WASHER, LOCK PLATE	35
47	MS74835-78	WASHER, LOCK PLATE	35
48	MS74835-78	WASHER, LOCK PLATE	35
49	MS74835-78	WASHER, LOCK PLATE	35
50	MS74835-78	WASHER, LOCK PLATE	35
51	MS74835-78	WASHER, LOCK PLATE	35
52	MS74835-78	WASHER, LOCK PLATE	35
53	MS74835-78	WASHER, LOCK PLATE	35
54	MS74835-78	WASHER, LOCK PLATE	35
55	MS74835-78	WASHER, LOCK PLATE	35
56	MS74835-78	WASHER, LOCK PLATE	35
57	MS74835-78	WASHER, LOCK PLATE	35
58	MS74835-78	WASHER, LOCK PLATE	35
59	MS74835-78	WASHER, LOCK PLATE	35
60	MS74835-78	WASHER, LOCK PLATE	35
61	MS74835-78	WASHER, LOCK PLATE	35
62	MS74835-78	WASHER, LOCK PLATE	35
63	MS74835-78	WASHER, LOCK PLATE	35
64	MS74835-78	WASHER, LOCK PLATE	35
65	MS74835-78	WASHER, LOCK PLATE	35
66	MS74835-78	WASHER, LOCK PLATE	35
67	MS74835-78	WASHER, LOCK PLATE	35
68	MS74835-78	WASHER, LOCK PLATE	35
69	MS74835-78	WASHER, LOCK PLATE	35
70	MS74835-78	WASHER, LOCK PLATE	35
71	MS74835-78	WASHER, LOCK PLATE	35
72	MS74835-78	WASHER, LOCK PLATE	35
73	MS74835-78	WASHER, LOCK PLATE	35
74	MS74835-78	WASHER, LOCK PLATE	35
75	MS74835-78	WASHER, LOCK PLATE	35
76	MS74835-78	WASHER, LOCK PLATE	35
77	MS74835-78	WASHER, LOCK PLATE	35
78	MS74835-78	WASHER, LOCK PLATE	35
79	MS74835-78	WASHER, LOCK PLATE	35
80	MS74835-78	WASHER, LOCK PLATE	35
81	MS74835-78	WASHER,	

BY 84-0010-70327

20. + DEVOTES POSITIVE SIDE OF CAPACITOR
- INDOTES NEGATIVE SIDE OF CAPACITOR
21. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE
WITH AND MEET ALL THE REQUIREMENTS OF MS. 7003901
22. FIND NO.2 AND 3 SHALL NOT OVERHANG EDGES OF
FIND NO.1
23. SEALING IS OTHERWISE SPECIFIED AND SHOWN TO BE FIND NO.3
24. SEAL INDICATORS OF FIND NO.1 PER 0000004 TYPE II

ASSEMBLED

[illegible]

Table 1 - NOMINAL AND MARGINAL OPERATION

Input Voltages VDC		Pin 4 to 6 (EV250 to EVL0)				Pin 8 to 6 (EVH11 to EVL0)			
		Load* Condition		Output Voltage (Vrms)		Load* Condition		Output Voltage (Vrms)	
14VDC	25VDC ***	No load	Full load	+25°C	-10°C +80°C	No load	Full load	+25°C	-10°C +80°C
14.0±0.1	25.0±0.2	X		** 255+15 -10	** 255±30	X		250+15 -10	250±30
14.0±0.1	25.0±0.2		X	255±10	255±30		X	245±10	245±30
14.0±0.1	21.0±0.2		X	255+10 -20	255+30 -35		X	245+10 -15	245+30 -35
14.0±0.1	18.0±0.2		X	255+10 -45	255+30 -60		X	245+10 -40	245+30 -60
14.0±0.1	36.0±0.2		X	255±15	255+35 -30		X	245±15	245+35 -30
15.0±0.1	25.0±0.2		X	255+40 -0	255+60 -0		X	245+40 -0	245+60 -0
17.0±0.1	25.0±0.2	X		** 255+75 -0	255+90 -0	X		250+75 -0	250+90 -0
12.0±0.1	18.0±0.2		X	255+0 -60	255+0 -80		X	245+0 -60	245+0 -80

*Full Load, wherever designated, is the application of both the EV250 and EVH11 loads.

**Variable from 0 to the values shown by varying the external potentiometer from minimum to maximum resistance.

***25 VDC Source Current, with the 10K potentiometer at max resistance, shall be NMT 75 milliamperes at NO LOAD and NMT 160 ma at FULL LOAD when measured at nominal input voltage at 25°C, -10°C, and +80°C.

4.2 TESTS/VERIFICATION

4.2.1 Drawing Compliance. The modules shall be examined for compliance with the requirements of APOLLO GEN Drawing 2003901. Particular attention shall be given to inspection for contaminants, pin misalignment, legibility and appearance of marking, and damage to surfaces, structure and equipment.

4.2.2 Thermal Conditioning. Verify that the module was subjected to two complete thermal cycles as specified in 3.1.1 prior to performing the acceptance tests specified herein.

4.2.3 Insulation Resistance. Using test equipment with a test potential of 500 VDC limited to a short circuit current of 1.0 milliamperes, measure the resistance between pin 1 and all other pins connected together. Verify that the resistance complies with that specified in paragraph 3.1.2.

4.2.4 Isolation Resistance. Using test equipment with a test potential of 500 VDC limited to a short circuit current of 1 milliamperes, measure the resistance between pins 2, 3, 5, 7, 9, 11, and 12 connected together and pins 4, 6, 8, and 10 connected together to determine compliance with paragraph 3.1.3

4.2.5 Inputs-Outputs. Apply the input voltage and input signal with the load and input impedance connections as shown in Figure 1. Measure the output at points indicated to determine compliance with Table I at 25°C.

4.2.6 Pin to Pin. Measure the resistance between Pins 3 and 7, 4 and 8, 6 and 10, and 9 and 12 to determine compliance with Paragraph 3.1.5.

4.2.7 Continuity. Verify that the resistance measured between chassis ground pin 1 and the chassis complies with that specified in Paragraph 3.1.4. Anodizing may be penetrated to assure good electrical connection.

4.2.8 Workmanship. The following tests shall be performed under the conditions specified as a verification of good workmanship.

4.2.8.1 Vibration. Install the module in DSKY. Subject the DSKY to the vibration tests specified in paragraph 3.1.8. Verify that the DSKY meets the requirements of the applicable specification.

4.2.8.2 Thermal Extremes and Marginal Voltages. Repeat the test of Paragraph 4.2.5 at -10°C +0, -2.8°C and +80°C -0, +2.8°C to determine compliance with Table I. Modules shall be stabilized at thermal extremes for $\frac{1}{2}$ hour before testing.

4.2.8.3 Weight. Weigh the module to the nearest .01 pound. Verify that the weight does not exceed the maximum allowable weight specified in paragraph 3.2.2.

5.0 PREPARATION FOR DELIVERY

5.1 Preparation for delivery shall be in accordance with Specification ND 100224h.

6.0 NOTES: None

PS 2003901 Rev. B

Original Issue Date: 5-11-66

Release Authority: TDRR 28742

Class A Release

PROCUREMENT SPECIFICATION

PRODUCT CONFIGURATION AND ACCEPTANCE TEST REQUIREMENTS

AGC DISK POWER SUPPLY ASSEMBLY

(MODULE D7)

DRAWING NO. 7003901

Record of Revisions

[illegible]

This specification consists of pages 1 to 7 inclusive.

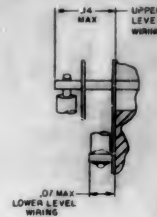
APPROVALS	A. C. METZGER NASA/MSC	20 Feb 76 MIT/IL	D. J. Jackson 25 MAR 66 RAY
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POWER SUPPLY MODULE D7

NASA NO 2003901-
MFD BY
S N

SEE NOTE 18

APPLICABLE DASH NO.



DETAIL A
SCALE 10/1

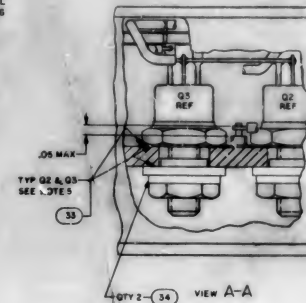
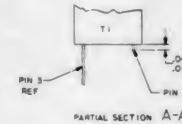
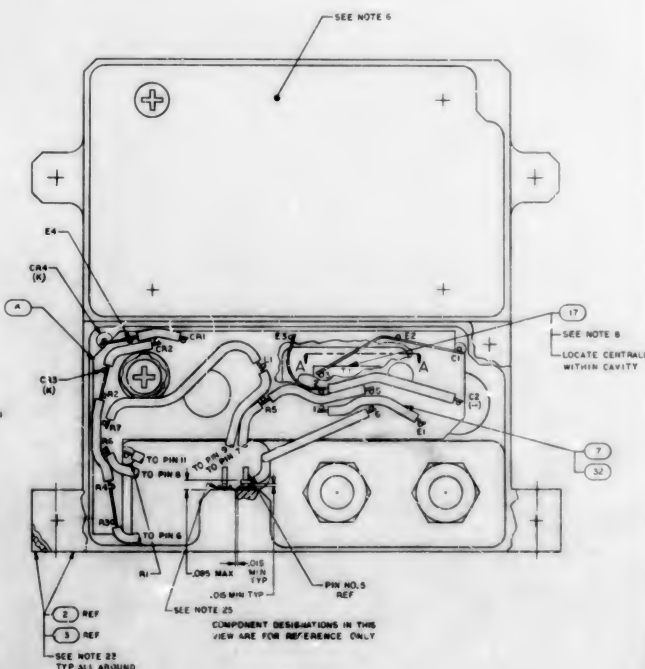
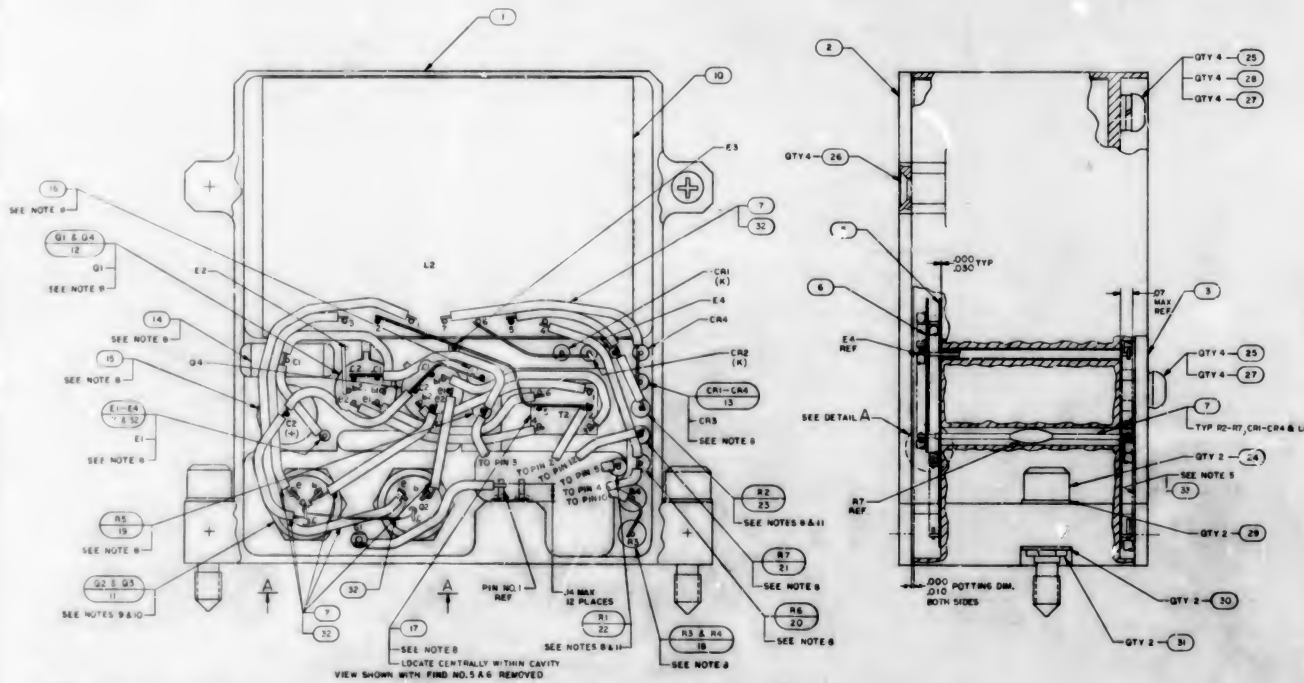


CHART A	PART NO.	VALUE
1000750-41	2450	
42	2700	
43	3000	
44	3500	
45	3600	
46	3900	
47	4200	
48	4500	
49	4800	
50	5100	
51	5400	
52	5700	
53	6000	
54	6300	
55	6600	
56	6900	
57	7200	
58	7500	
59	7800	
60	8100	
61	8400	
62	8700	
63	9000	
64	9300	
65	9600	
66	9900	
67	10200	
68	10500	
69	10800	
70	11100	
71	11400	
72	11700	
73	12000	
74	12300	
75	12600	
76	12900	
77	13200	
78	13500	
79	13800	
80	14100	
81	14400	
82	14700	
83	15000	

CHART B	PART NO.	VALUE
1000750-41	300	
22	340	
23	380	
24	420	
25	460	
26	500	
27	540	
28	580	
29	620	
30	660	
31	700	
32	740	
33	780	
34	820	
35	860	
36	900	
37	940	
38	980	
39	1020	
40	1060	
41	1100	
42	1140	
43	1180	
44	1220	
45	1260	
46	1300	
47	1340	
48	1380	
49	1420	
50	1460	
51	1500	



PARTIAL SECTION A-A



NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-STD-2000
2. WELD PER NAD00000
3. SOLDER PER NAD00000 USING SOLDER PER NAD00000
4. ENCAPSULATE PER NAD00000
5. APPLY .001 IN. TO .002 IN. TO INDICATED AREA
6. INDICATED AREA TO BE FREE OF ENCAPSULATING COMPOUND
7. ALL VIEWS SHOW WITH POTTING REMOVED FOR CLARITY
8. STAKE FIND NO.12 THRU FIND NO.25 1-10 TO FIND NO.1 PER NAD00000 METHOD C OR D
9. NEW MCA WASHER TO BE INSTALLED EACH TIME FIND NO.11 IS DISASSEMBLED
10. MOUNTING FORGE FOR FIND NO.11 TO BE 8-15 INCH POUNDS
11. THE VALUE OF THE FULL-WAVE COMPONENTS TO BE DETERMINED AT ELECTRICAL TEST, FIND NO.24 TO BE SELECTED FROM CHART A & FIND NO.25 TO SELECTED FROM CHART B
12. AN DE NOTES AS REQUIRED
13. R.D. NOTES CATHODE SIDE OF DI
14. WHITE DOT & CLEAR LEAD INDICATES LOWER LEVEL WIRING
15. BLACK DOT & CROSS HATCHED LEAD INDICATES UPPER LEVEL WIRING
16. UNLESS OTHERWISE SPECIFIED, ALL WIRING SHALL BE IN ACCORDANCE WITH NAD00000
17. PARTIAL REFERENCE DESIGNATORS ARE SHOWN, PREFIX THE DESIGNATION WITH UNIT BUMP OR ASSEMBLY DESIGNATION OR BOTH
18. MARK D7/D8 IN WHITE CHARACTERS PER NAD00000 & NAD00002, TYPE II, CLASS 2
19. SERIALIZE PER NAD00000 USING INK NAD00000
20. MARK 27/28 INK WHITE CHARACTERS PER NAD00000 & NAD00002, TYPE II, CLASS 2
21. USING INK NAD00000

20. + DENOTES POSITIVE SIDE OF CAPACITOR
21. - DENOTES NEGATIVE SIDE OF CAPACITOR
22. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND MEET ALL THE REQUIREMENTS OF NAD00000
23. FIND NO.1 AND 8 SHALL NOT OVERLAP EDGES OF FIND NO.1
24. UNLESS OTHERWISE SPECIFIED, ALL WIRING SHALL BE IN ACCORDANCE WITH NAD00000
25. SEAL INSULATORS OF FIND NO.1 PER NAD00000 TYPE II

2003901 B

1000750-41	2450	1000750-41	300
22	340	22	340
23	380	23	380
24	420	24	420
25	460	25	460
26	500	26	500
27	540	27	540
28	580	28	580
29	620	29	620
30	660	30	660
31	700	31	700
32	740	32	740
33	780	33	780
34	820	34	820
35	860	35	860
36	900	36	900
37	940	37	940
38	980	38	980
39	1020	39	1020
40	1060	40	1060
41	1100	41	1100
42	1140	42	1140
43	1180	43	1180
44	1220	44	1220
45	1260	45	1260
46	1300	46	1300
47	1340	47	1340
48	1380	48	1380
49	1420	49	1420
50	1460	50	1460
51	1500	51	1500

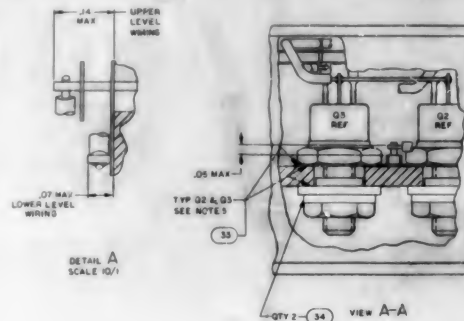
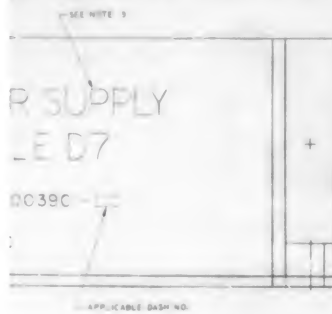
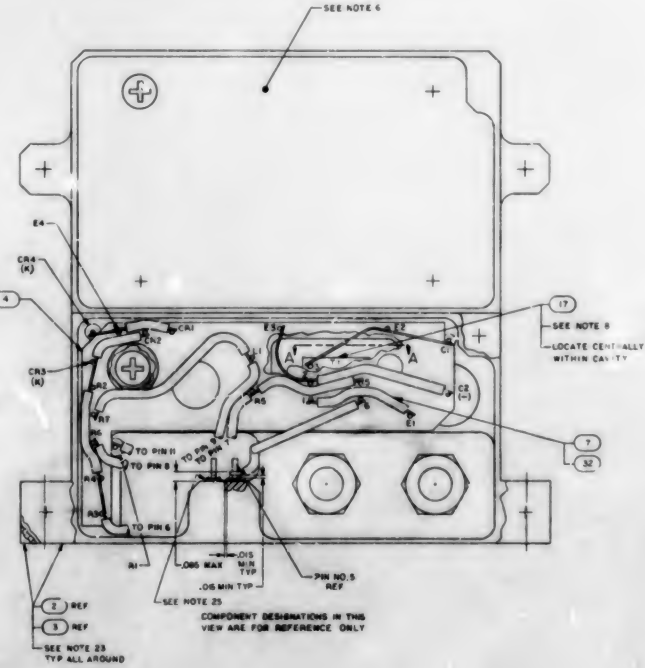
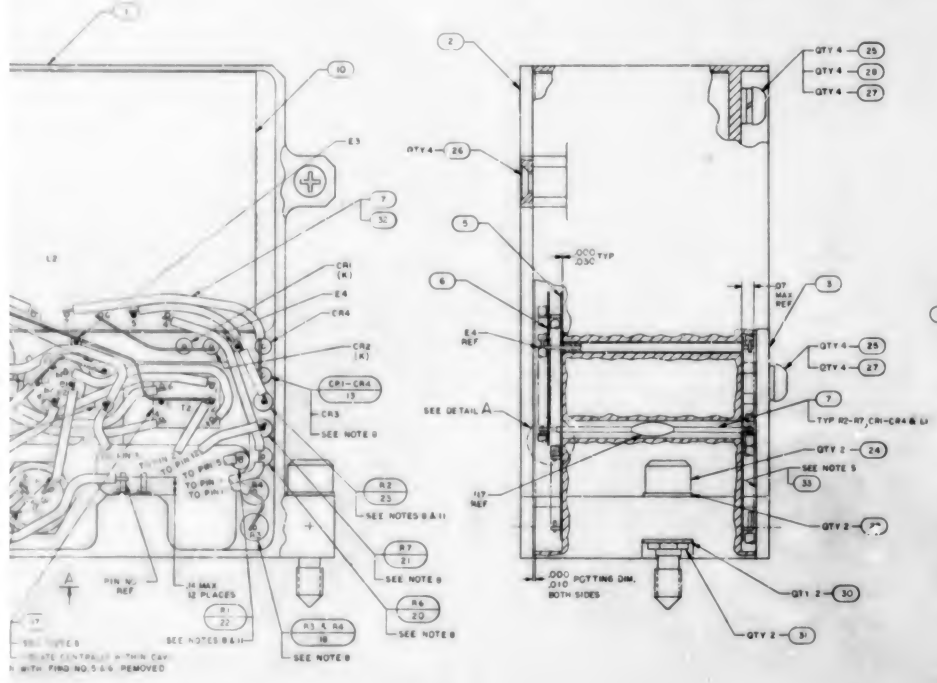
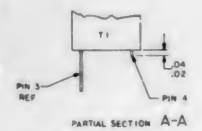


CHART A	CHART B
PART NO. VALUE	PART NO. VALUE
000750-41 2400	000750-18 300
43 2500	22 390
43 3000	23 510
44 3300	27 620
45 3600	28 680
46 3800	29 750
47 4300	30 820
48 4500	31 910
106 2850	38 1000
127 3300	39 1200
128 3450	40 1500
000750-125 3750	



20. - DENOTES POSITIVE SIDE OF CAPACITOR
 21. - DENOTES NEGATIVE SIDE OF CAPACITOR
 22. COMPLETE ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND MEET ALL THE REQUIREMENTS OF S.2007500
 23. FIND NO.2 AND 3 SHALL NOT OVERHANG EDGES OF FIND NO.1
 24. SEAL IS OTHERWISE SPECIFIED ALL WIRING TO BE FIND NO.2
 25. SEAL INSULATORS OF FIND NO.1 PER NID000004 TYPE II

106002
 A REVISED PER YORK 2018
 B REVISED PER YORK 2235
 C REVISED PER YORK 2235
 D REVISED PER YORK 2235

1	WASHER, FLAT	14
2	SCHEMATIC	15
3	SILICONE COMPOUND	16
4	WASHER, FLAT	17
5	WASHER, FLAT	18
6	WASHER, FLAT	19
7	WASHER, FLAT	20
8	WASHER, FLAT	21
9	WASHER, FLAT	22
10	WASHER, FLAT	23
11	WASHER, FLAT	24
12	WASHER, FLAT	25
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15	WASHER, FLAT	28
16	WASHER, FLAT	29
17	WASHER, FLAT	30
18	WASHER, FLAT	31
19	WASHER, FLAT	32
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21	WASHER, FLAT	34
22	WASHER, FLAT	35
23	WASHER, FLAT	36
24	WASHER, FLAT	37
25	WASHER, FLAT	38
26	WASHER, FLAT	39
27	WASHER, FLAT	40
28	WASHER, FLAT	41
29	WASHER, FLAT	42
30	WASHER, FLAT	43
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32	WASHER, FLAT	45
33	WASHER, FLAT	46
34	WASHER, FLAT	47
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36	WASHER, FLAT	49
37	WASHER, FLAT	50
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56	WASHER, FLAT	69
57	WASHER, FLAT	70
58	WASHER, FLAT	71
59	WASHER, FLAT	72
60	WASHER, FLAT	73
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77	WASHER, FLAT	90
78	WASHER, FLAT	91
79	WASHER, FLAT	92
80	WASHER, FLAT	93
81	WASHER, FLAT	94
82	WASHER, FLAT	95
83	WASHER, FLAT	96
84	WASHER, FLAT	97
85	WASHER, FLAT	98
86	WASHER, FLAT	99
87	WASHER, FLAT	100

BRING
 INCE WITH POSITION
 2003901
 2003902
 2003903
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 2003905
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 2003907
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 2003988
 2003989
 2003990
 2003991
 2003992
 2003993
 2003994
 2003995
 2003996
 2003997
 2003998
 2003999
 2004000

F-2/2

POWER SUPPLY ASSEMBLY MODULE D7 AGC DSKY	
2003901	2003902
2003903	2003904
2003905	2003906
2003907	2003908
2003909	2003910
2003911	2003912
2003913	2003914
2003915	2003916
2003917	2003918
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2003921	2003922
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2003987	2003988
2003989	2003990
2003991	2003992
2003993	2003994
2003995	2003996
2003997	2003998
2003999	2004000

APOLLO G&N Specification

PS 2003901 Rev. C

Original Issue Date: 5-11-66

Release Authority: TDRR 28742

Class A Release

PROCUREMENT SPECIFICATION

PRODUCT CONFIGURATION AND ACCEPTANCE TEST REQUIREMENTS

AGC DSKY POWER SUPPLY ASSEMBLY

(MODULE D7)

DRAWING NO. 2003901

Record of Revisions

Date	Revision Letter	TDRR No.	Pages Revised	Approvals	
				MIT	NASA
6/1/66	A	29206	1 and 5 & 7	MIT FR	NASA FR
7/1/66	B	29923	1 and 5	MIT FR	NASA FR
9/1/66	C	30871	1, 3	MIT FR	NASA FR

This specification consists of pages 1 to 7 inclusive.

APPROVALS

A. C. METZGER

NASA/MSC

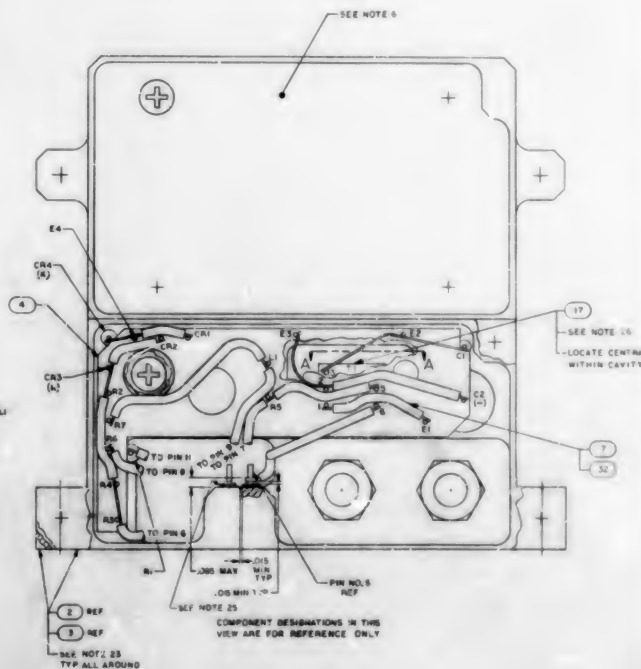
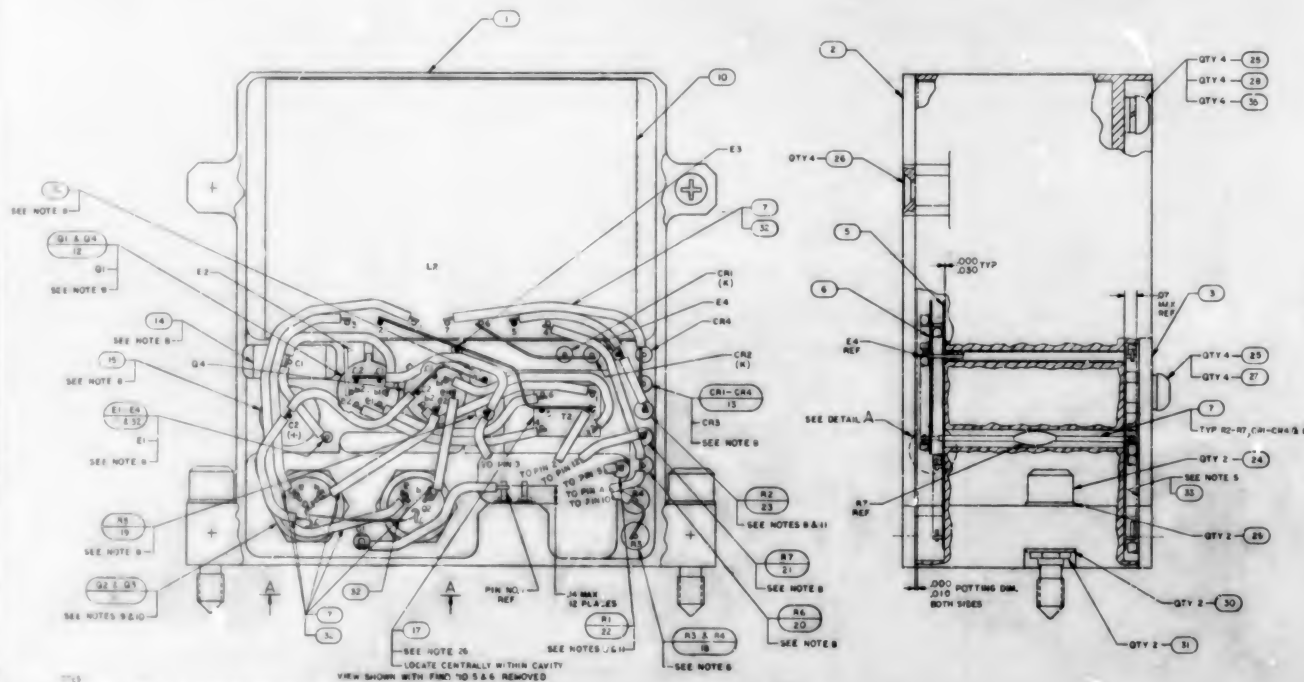
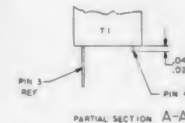
EC 4/11/66 5/11-66

MIT/IL

D. M. Sleight

28 MAR 66

RAY



REPORT MADE IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327

[illegible][illegible]

20. + DENOTES POSITIVE SIDE OF CAPACITOR
21. - DENOTES NEGATIVE SIDE OF CAPACITOR
22. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE
WITH AND MEET ALL THE REQUIREMENTS OF D.S. 200380-
23. FIND NO.2 AND 8 SHALL NOT OVERHANG EDGES OF
FIND NO.1

25. SEAN, INSULATORS OF FIND NO.1 PER NO0008004 TYPE XX

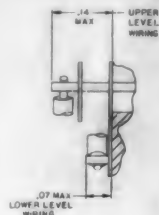
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F-1-2

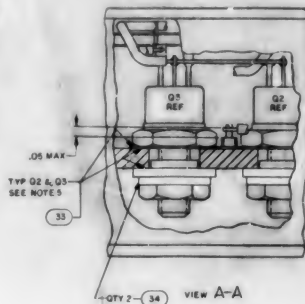
2003901.0

		UNASC OF NEW
		CHAMBERLAIN & M
		PROF OF HANDED G
		FRANCY 3000
		FOR REP. BUL
		WATTS BUL
2003905		WEST THE CLO-6
2003900		
1001 1001	1001 01	1001 1001

0390



DETAIL A
SCALE 10/1



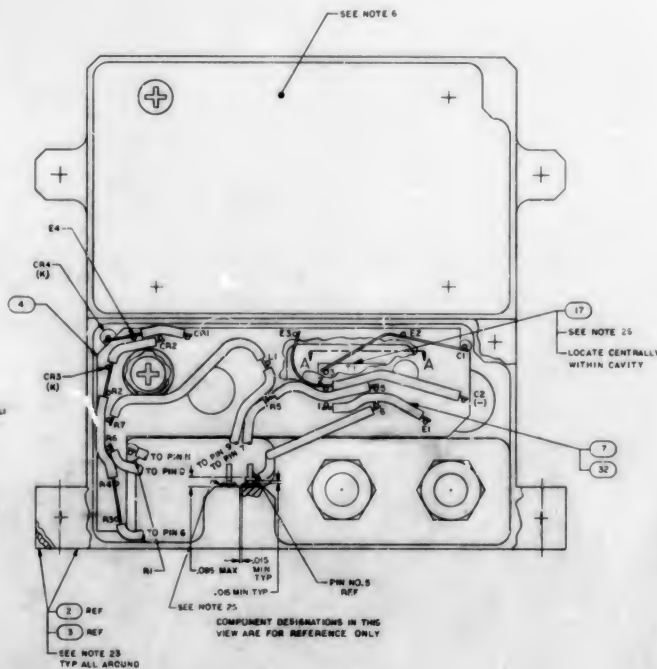
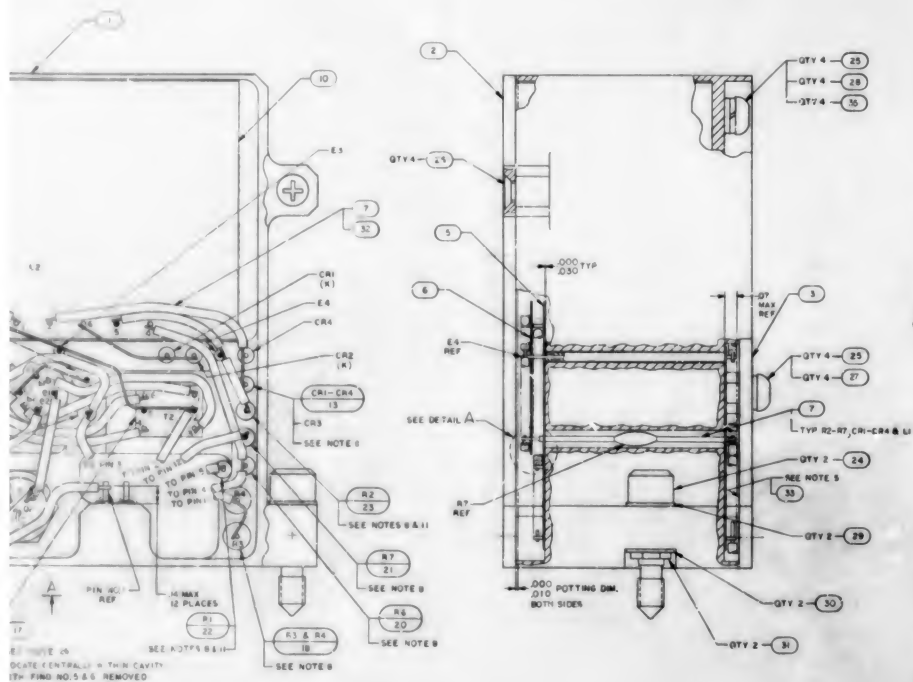
VIEW A-A

CHART A	
PART NO.	VALUE
1006750-41	2400
↑	-42 2700
	-43 3000
	-44 3300
	-45 3600
	-46 3900
	-47 4300
	-48 4700
	-126 2850
	-127 3150
	-128 3450
1006750-129	3750

PART NO.	VALUE
1006750-19	300
-22	390
-25	510
-27	620
-28	680
-29	750
-30	820
-31	910
-32	1000
-34	1200
1006750-36	1500



PARTIAL SECTION A-A



COMPONENT DESIGNATIONS IN THIS
VIEW ARE FOR REFERENCE ONLY

[illegible]ELECTRICAL
D. S. ECTAD

TYPE II, CLASS 2
TYPE II, CLASS 2

2003901 C

F- 2 / 2

[illegible]

3.0 REQUIREMENTS

3.1 PERFORMANCE. The Power Supply Module (D7) consists of a load-regulated push-pull amplifier. The circuitry is such that when an 8 volt (nominal) 800 cps square wave input is filtered and amplified, an open circuit output of 250 VRMS (nominal) at 800 cps is obtained.

3.1.1 Thermal Conditioning. The module shall be subjected to two complete thermal cycles, as specified below prior to acceptance testing:

25°C down to -10°C \pm 3.0°C in NLT 20 minutes, held at -10°C \pm 3.0°C for NLT 30 minutes, raised to +70°C \pm 3.0°C in NLT 40 minutes, held at +70°C \pm 3.0°C for NLT 30 minutes, lowered to 25°C in NLT 20 minutes.

3.1.2 Insulation Resistance. The insulation resistance between chassis ground pin 1 and all other pins connected together shall be 100 megohms minimum.

3.1.3 Isolation Resistance. The isolation resistance between pins 4, 6, 8, and 10 connected together and pins 2, 3, 5, 7, 9, 11, and 12 connected together shall be not less than 100 megohms.

3.1.4 Continuity. The resistance between the chassis ground pin 1 and the chassis shall be 0.5 ohms maximum.

3.1.5 Pin To Pin Resistance. All pins not mutually insulated shall exhibit the resistance values shown on the unit schematic.

Reference Values: Pins 3 and 7; 1.0K \pm 2%; Pins 9 and 12, 10K \pm 2%
Pins 4 and 8, 20K \pm 2%; Pins 6 and 10, 11K \pm 2%

3.1.6 Input Voltages. The module shall function within the limits specified in Table I when supplied with the DC voltage (nominal and marginal), the proper input signal, and the attenuation of a 10K potentiometer as specified in Figure 1.

3.1.7 Load and Output Characteristics. The module shall develop the output voltages specified in Table I when operated into the equivalent loads specified in Figure 1.

3.1.8 The module shall perform as specified in 3.1.6 and 3.1.7 when installed in an operating DSKY which is being subjected to the vibration requirements specified in the applicable specifications for the DSKY. Acceptance criteria for the module shall be the compliance of the DSKY with its applicable specifications.

3.2 PRODUCT CONFIGURATION

3.2.1 DRAWINGS. The module configuration shall be in accordance with APOLLO G&N Drawing 2003901 and all drawings and engineering data referenced thereon.

3.2.2 Weight. Maximum allowable weight of the module shall be 0.91 pounds.

APOLLO G&N Specification

PS 2003901 Rev. D

Original Issue Date: 5-11-66

Release Authority: TDRR 28742

Class A Release

PROCUREMENT SPECIFICATION

PRODUCT CONFIGURATION AND ACCEPTANCE TEST REQUIREMENTS

AGC DSKY POWER SUPPLY ASSEMBLY

(MODULE D7)

DRAWING NO. 2003901

Record of Revisions

	Date	Revision Letter	TDRR No.	Pages Revised	Approvals	
					MIT	NASA
(M)	6/1/66	A	29206	1 and 5 & 7	WMS F&E	WMS F&E
(M)	7/1/66	B	29923	1 and 5	WMS F&E	WMS F&E
(M)	9/1/66	C	30871	1, 3	WMS F&E	WMS F&E
(M)	1/6/67	D	32574	1, 2	WMS F&E	WMS F&E

This specification consists of pages 1 to 7 inclusive.

APPROVALS	A. C. METZGER	20 June 5/11/66	D.M. Sleight
	NASA/MS	MIT/IL	25 Mar 66 RAY 4-1-66

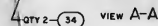
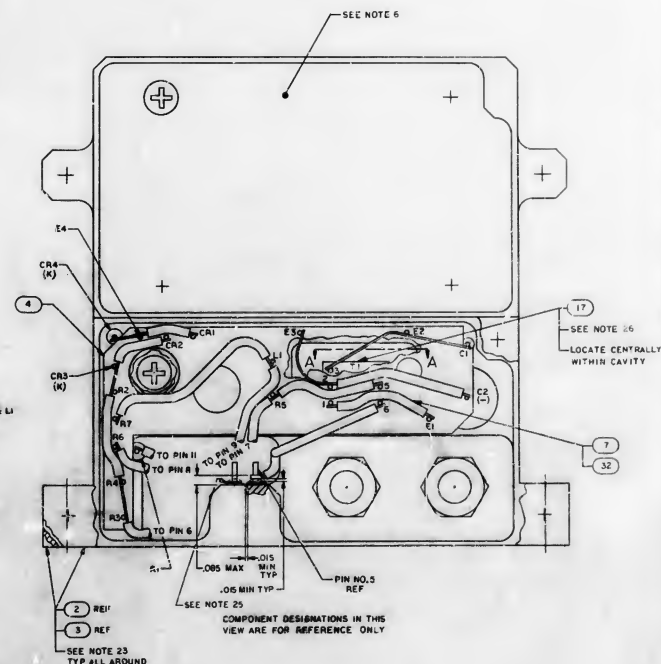
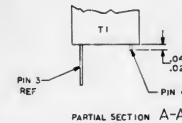


CHART A	
PART NO.	VALUE
1006750-41	2400
-42	2700
-43	3000
-44	3300
-45	3600
-46	3900
-47	4300
-48	4700
-126	2850
-127	3150
-126	3450
1006750-129	3750



2755

[illegible]

20. + DENOTES POSITIVE SIDE OF CAPACITOR
21. - DENOTES NEGATIVE SIDE OF CAPACITOR
22. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE
WITH AND MEET ALL THE REQUIREMENTS OF P.S. 2003901
23. FIND NO.2 AND 3 SHALL NOT OVERLAP EDGES OF
FIXD NO.1
~~24. UNLESS OTHERWISE SPECIFIED ALL WIRING TO BE FINE NO.~~
25. SEAL INSULATORS OF FIND NO.1 PER ND1002004 TYPE X
26. STAKE FIND NO.17 AND FIND NO.22 TO FIND NO.1 PER
ND1002004 TYPE X

2003901 D

	UNLESS OTHERWISE STATED, DIMENSIONS ARE IN INCHES
	TOLERANCES ON DIMENSIONS ARE
	FRAC TIONS DECIMALS
	0.0005 0.0001
	DO NOT SCALE THIS DRAWING
2003595	
2053900	HEAT TREATMENT
HEET MET	USED ON
	FINAL FORM
APPLICATION	

APPLICABLE DASH NO.

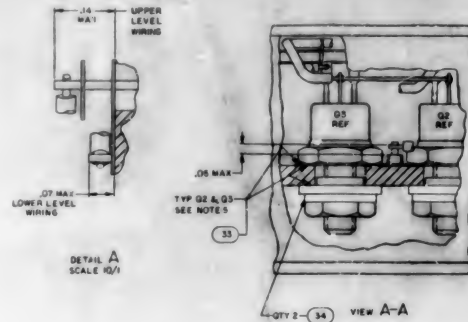
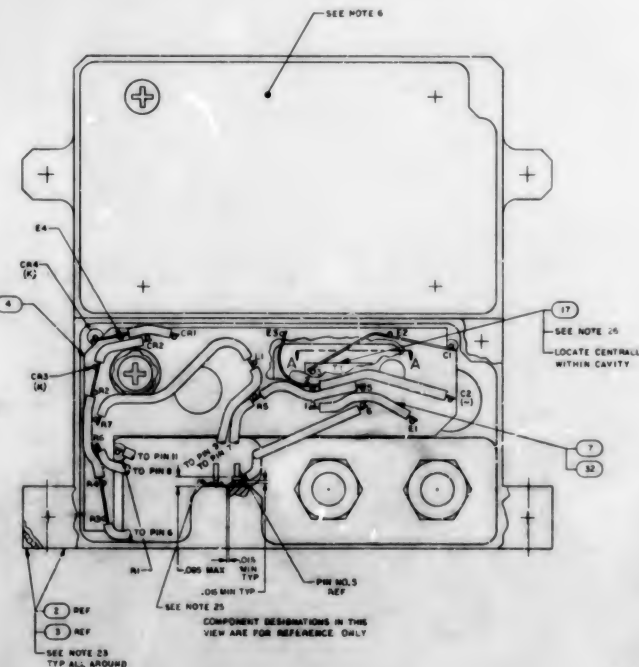
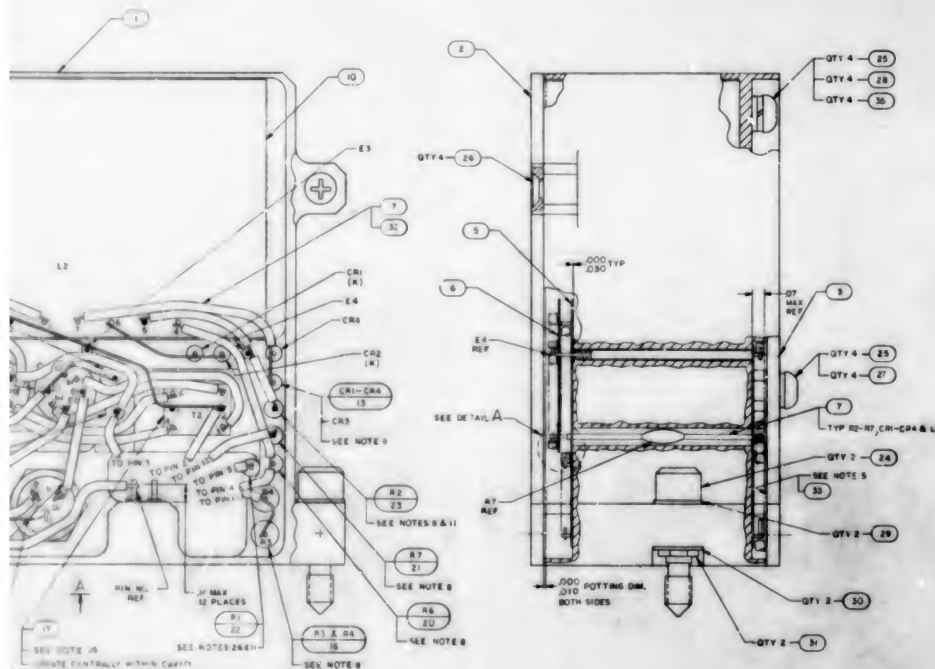
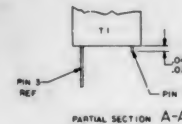


CHART A

PART NO.	VALUE
1006750	41
-42	2700
-43	4000
-44	5300
-45	5600
-46	5900
-47	4300
-48	6700
-126	2850
-187	3150
-128	3450
1006750	3750

CHART B

PART NO.	VALUE
1006750	19
-22	390
-25	510
-27	620
-28	680
-29	750
-30	820
-31	910
-32	1000
-34	1200
1006750	1500



4	001352-05	WHEEL, FLAT	35
5	001357-000	WHEELER, FLAT	34
6	000909-04	WHEMATIC	33
7	000478	WHEMATIC CONDENS	32
8	000453-05	WHEEL, FLAT	31
9	00136355-005	WHEEL, BEARING, FLAT	30
10	000454-03	WHEEL, FLAT	29
11	000454-01	WHEEL, FLAT	28
12	00135538-78	WHEEL, FLAT, SPAT	27
13	00135503-03	WHEEL, FLAT	26
14	00135532-08	WHEEL, FLAT, NO CROSS RECESSED	25
15	00135532-08	WHEEL, FLAT, NO CROSS RECESSED	24
16	00135532-08	WHEEL, FLAT, NO CROSS RECESSED	23
17	00135532-08	WHEEL, FLAT, NO CROSS RECESSED	22
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35	00135532-08	WHEEL, FLAT, NO CROSS RECESSED	4
36	00135532-08	WHEEL, FLAT, NO CROSS RECESSED	3
37	00135532-08	WHEEL, FLAT, NO CROSS RECESSED	2
38	00135532-08	WHEEL, FLAT, NO CROSS RECESSED	1

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1.0 SCOPE

This specification establishes the detail requirements for identification and acceptance of the AGC DSKY Power Supply Module (D7) Part Numbers 2003901-021, and 2003901-031.

2.0 APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein.

2.1 EFFECTIVE ISSUES. Unless otherwise specified herein, Military and Government Standards and Specifications shall be the issue in effect on the date of request for proposal or invitation to bid.

SPECIFICATIONS

APOLLO G&N

ND 1002214

General Specification for Preservation, Packaging, Packing, and Container Marking of Apollo Guidance and Navigation Major Assemblies, Assemblies, Subassemblies, Parts and Associated Ground Support Equipment.

DRAWINGS

APOLLO G&N

2003901

POWER SUPPLY ASSEMBLY, MODULE D7
AGC DSKY

(Copies of Specifications, drawings, standards, bulletins, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer).

2.2- CONFLICTING REQUIREMENTS. In the event of conflict between the requirements of the contract, this specification, and the documents listed in this section, the following order of precedence shall apply and the contractor shall notify MIT APOLLO Management of the conflict as soon as it is determined.

- a. The contract
- b. This specification
- c. Documents listed in this section

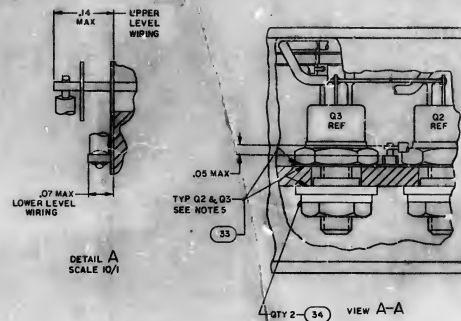
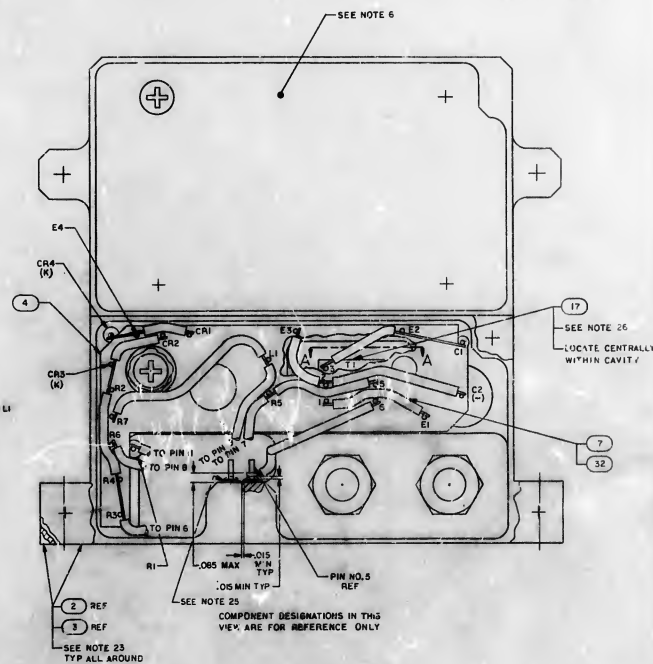
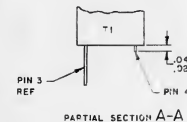


CHART A		
PART NO.	VALU	
1006750-41	2400	
-42	2770	
-43	3000	
-44	3300	
-45	3600	
-46	3900	
-47	4300	
-48	4700	
-126	2850	
-127	3150	
-128	3450	
-129	3750	
-130	4100	
-131	4500	
-38	1800	
-39	2000	
-40	2200	
-122	1900	
-123	2100	
-124	2300	
1006750-125	2500	

CHART B	
PART NO.	VALUE
1006750-19	300
-22	390
-25	510
-27	620
-28	680
-29	750
-30	820
-31	910
-32	1000
-34	1200
1006750-36	1500

CHART C	
PART NO.	VALUE
1006793-18	3000 P
↑ -19	3300 ↓
-20	3600
-21	3900
-22	4300
↓ -23	4700 ↓
1006793-24	5100 P



VIEW SHOWN WITH FIND NO. 5 & 6 REMOVED

20. + DENOTES POSITIVE SIDE OF CAPACITOR
21. - DENOTES NEGATIVE SIDE OF CAPACITOR
22. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND MEET ALL THE REQUIREMENTS OF P.S. 2003801
23. FIND NO.2 AND 3 SHALL NOT OVERHANG EDGES OF FIND NO.1
~~24. UNLESS OTHERWISE SPECIFIED ALL WIRING TO BE FIND NO.9~~
25. SEAL INSULATORS OF FIND NO.1 PER N01002004 TYPE VI
26. STAKE FIND NO.17 AND FIND NO.22 TO FIND NO.1 PER N01002004 TYPE VI

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2Q + DENOTES POSITIVE SIDE OF CAPACITOR

21. - DENOTES NEGATIVE SIDE OF CAPACITOR

22. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND MEET ALL THE REQUIREMENTS OF P.S. 200301

23. FIND NO.2 AND 3 SHALL NOT OVERHANG EDGES OF

FIND NO.1

25. SEAL INSULATORS OF FIND NO.1 PER MD1002004 TYPE 3

26. STAKE FIND NO.17 AND FIND NO.22 TO FIND NO.1 PER

NO1002004 TYPE V

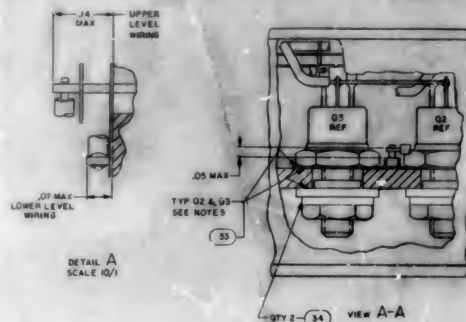
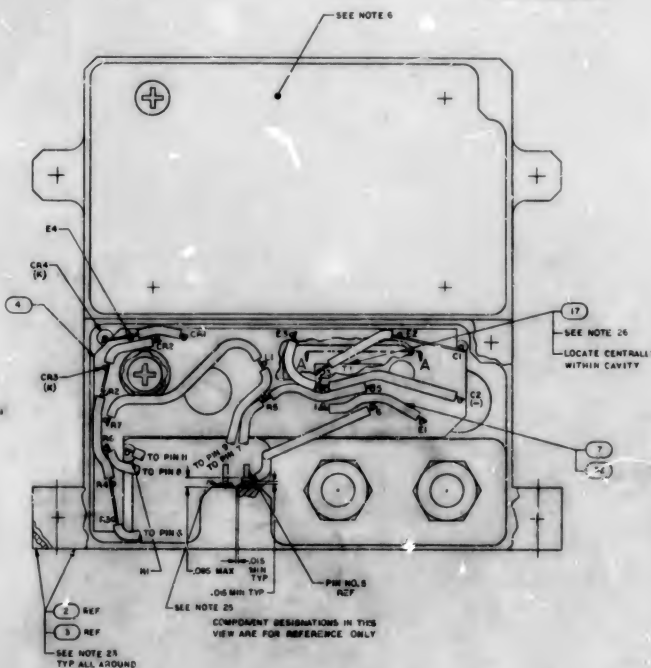
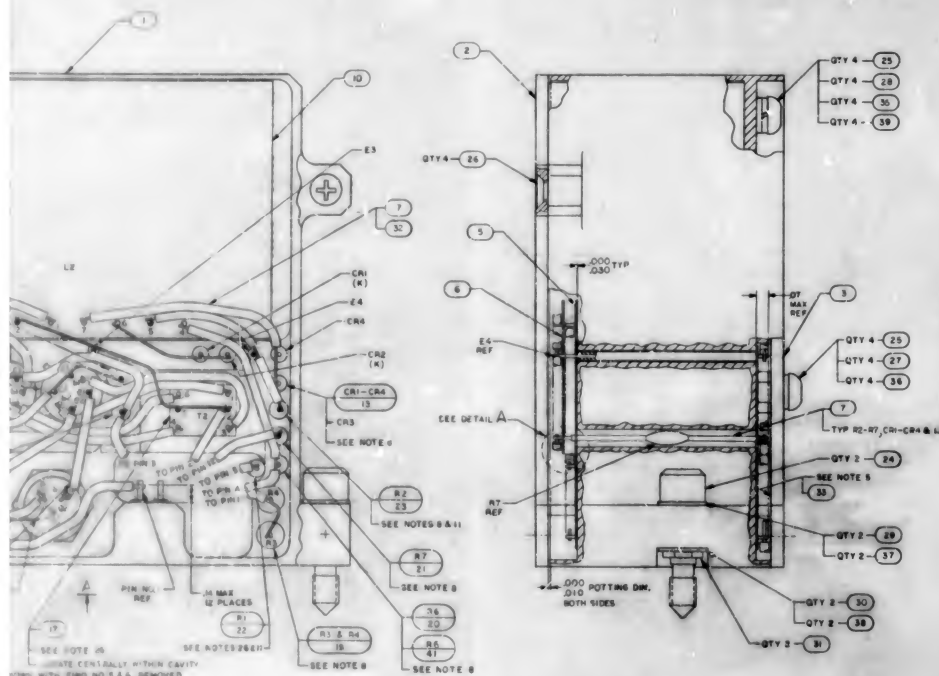
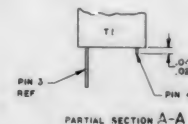
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COMPONENT DESIGNATIONS IN THIS
VIEW ARE FOR REFERENCE ONLY

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E 18 APP. CABLE DASH NO.

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20. + DENOTES POSITIVE SIDE OF CAPACITOR
21. - DENOTES NEGATIVE SIDE OF CAPACITOR
22. COMPLETED "FAMILY SHALL BE TESTED IN ACCORDANCE
WITH MR. TALL, THE REQUIREMENTS OF MR. RUDNEY
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4. IN. 15, 7, 14, 4

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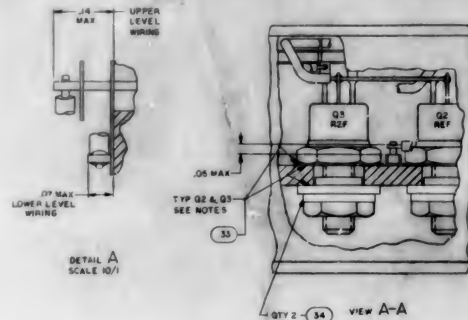
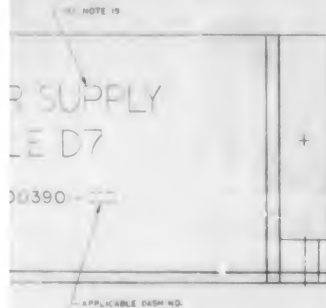
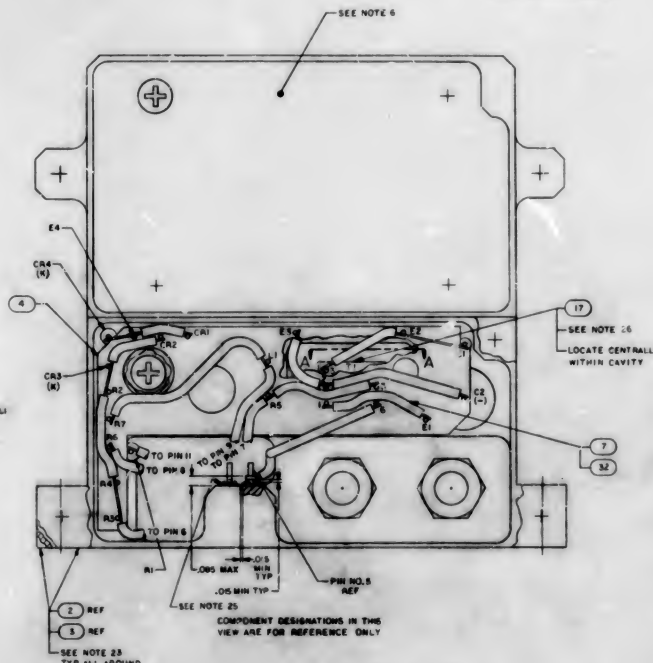
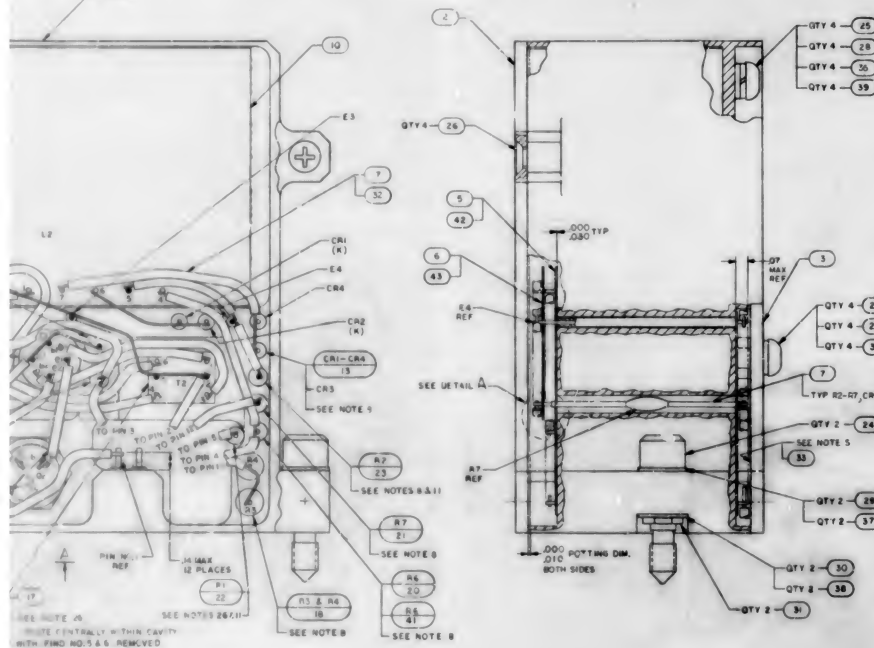
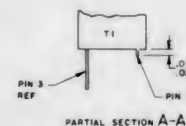


CHART A	CHART B	CHART C
PART NO. VALUE	PART NO. VALUE	PART NO. VALUE
1006750-11 2500	1006750-11 300	1006750-11 300
42 2700	22 390	22 390
48 1000	23 510	23 510
48 1500	27 600	27 600
48 1600	28 600	28 600
48 1900	29 750	29 750
48 2400	30 800	30 800
48 2500	31 910	31 910
48 2850	32 1000	32 1000
1006750-12 2500	1006750-12 300	1006750-12 300
1006750-13 2500	1006750-13 300	1006750-13 300
1006750-14 2500	1006750-14 300	1006750-14 300



REF	DESCRIPTION	REF
1	2005904 SCHEMATIC	REF
2	2005921 SCHEMATIC	REF
3	2004718 INSULATOR, UPPER LEVEL	43
4	2004718 INSULATOR, LOWER LEVEL	42
5	2004750-63 RESISTOR, FIXED	41
6	2004750-63 RESISTOR, FIXED	40
7	2004750-63 RESISTOR, FIXED	39
8	2004750-63 RESISTOR, FIXED	38
9	2004750-63 RESISTOR, FIXED	37
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41	2004750-63 RESISTOR, FIXED	5
42	2004750-63 RESISTOR, FIXED	4
43	2004750-63 RESISTOR, FIXED	3
44	2004750-63 RESISTOR, FIXED	2
45	2004750-63 RESISTOR, FIXED	1

20. 4-DENOTES POSITIVE SIDE OF CAPACITOR
 21. 4-DENOTES NEGATIVE SIDE OF CAPACITOR
 22. COMPLETE ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND MEET ALL THE REQUIREMENTS OF R. 2703801
 23. FIND NO. 1 AND 2 SHALL NOT OVERLAP EDGES OF FIND NO. 1
 24. UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN HOLES
 25. SEAL INSULATORS OF FIND NO. 1 WITH HOODING TYPE 32
 26. STAKE FIND NO. 17 AND FIND NO. 22 TO FIND NO. 1 PER ND1002004 TYPE 3

2003901 G

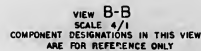
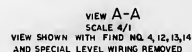
POWER SUPPLY ASSEMBLY

MODULE

AGC DEV

2003901 J

2003901



QTY 3 — 10 —
— B
REF — 2 —
QTY 12 — 10 —
25
CEE

APPLICABLE DASH NO. —

150

NOTES

INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327

2. WELD PER NID00206

3. UNLESS OTHERWISE SPECIFIED, ALL WIRING SHALL BE IN ACCORDANCE WITH NID002069

4. B/CAPACITATE PER NID002236

5. IF JE TESTS CATCHUP SIDE OF DEQUE

6. MARK .O5 OF HIGH WHITE CHARACTERS PER NID002019 & NID00212 TYPE II, CLASS 2

7. B/E SIZE/PER FOR NID002023 USING INC 106271+1

8. WARE JE AND HIGH WHITE CHARACTERS PER NID002019 & NID00212 TYPE II,
CLASS 2 USING INC 106271+1

A. A DENOTES AS REQUIRED

B. BLACK DOT AND SINGLE LEAD LEADS INDICATE LOWER LEVEL WIRING

C. BLACK DOT AND SINGLE SOLID LEADS INDICATE UPPER LEVEL WIRING

D. Δ AND CLEAR LEADS INDICATE SPECIAL LEVEL WIRING

E. DIJOTS NEGATIVE CHARACTERISTICS

F. - DENOTES POSITIVE SIDE OF CAPACITOR

G. [P] REFERENCE DESIGNATIONS ARE USED. PREFIX THE DESIGNATION WITH UNIT
NUMBER OR AGENT'S CODE WHEN BOTH.

H. BOND FUND NO.3 TO FIND NO.1 PER NID002004 TYPE IV

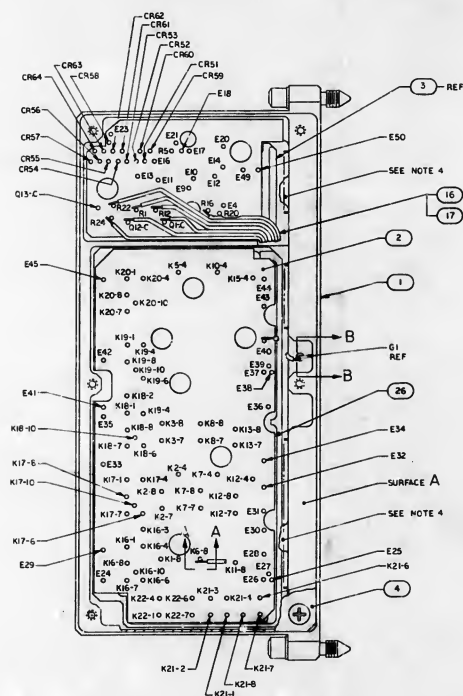
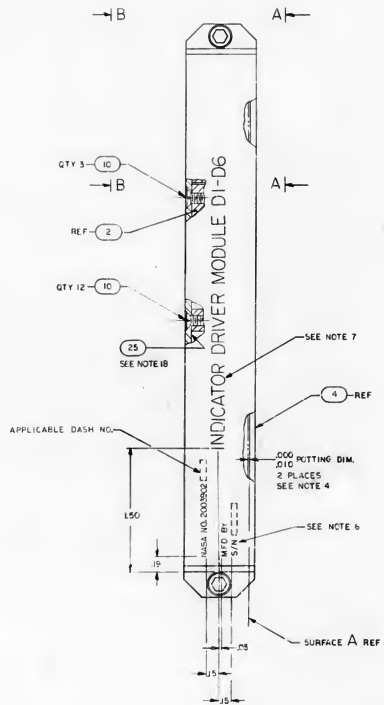
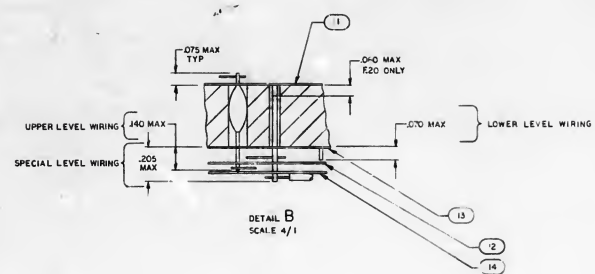
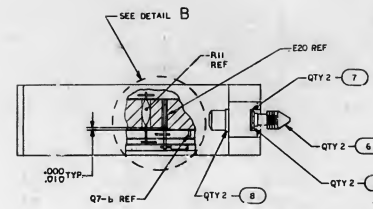
I. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH SHALL MEET ALL
THE REQUIREMENTS OF THE FOLLOWING:

J. STATE FIND NO.1 +RU FIND NO.23 TO FIND NO.1 PER NID002009 METHOD C OR D

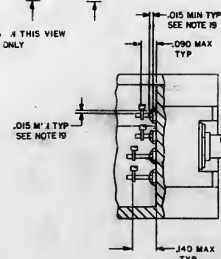
K. APPLY FIND NO.23 TO IDENTIFY SURFACE

L. BOND FUND NO.3 TO FIND NO.23 TO FIND NO.4004 TYPE II

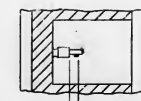
WIRING		LEADS		FROM		TO		FROM		TO	
NO.	COMPONENT	FROM	TO	PIN NO.	COMPONENT	FROM	TO	PIN NO.	COMPONENT	FROM	TO
51	E34	76	K19-A	101	I02						
52	P18-I0	77	E44	102	E11						
53	K18	78	E18	103	E19						
54	K18-B	79	K20-B	104	E13						
55	K18-B	80	K20-I	105	E49						
56	E18	81	K20-A	106	E14						
57	E35	82	K20-A	107	E12						
58	K18-A	83	K5-A	108	E36						
59	K18-A	84	E18	109	E16						
60	E18-B	85	E42	110	E35						
61	E18	86	E18	111	E15						
62	E36	87	E2-C	112	E50						
63	K18-A	88	E45	113	E17						
64	E37	89	E16	114	E16						
65	E40	90	E12	115	E18						
66	E39	91	E1	116	E38						
67	E42	92	E18	117	E17						
68	E1	93	E-C	118	E39						
69	E40	94	E37	119	E21						
70	E38	95	E2-C	120	E40						
71	E41	96	E2	121	E25						
72	E40	97	E33	122	E26						
73	E45	98	E44	123	E48						
74	O-C-7	99	E45	124	E48						
75	E37	100	E45	125	E48						



PARTIAL SECTION A-A
TYPICAL FOR PINS OF FIND NO.2
SCALE 10/1



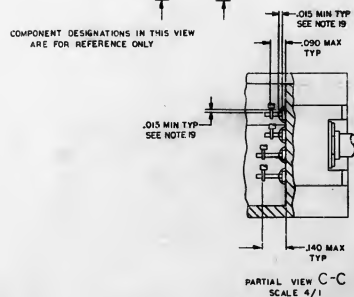
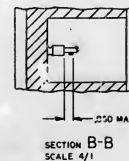
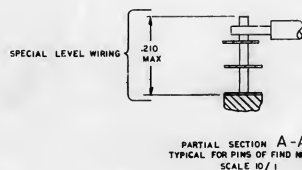
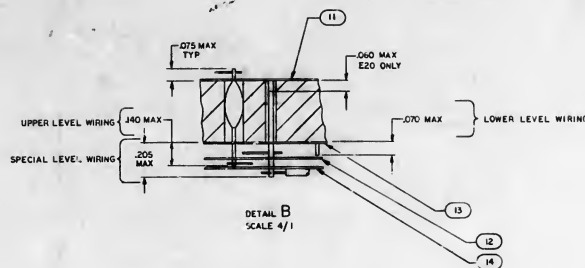
PARTIAL VIEW C
SCALE 4/1



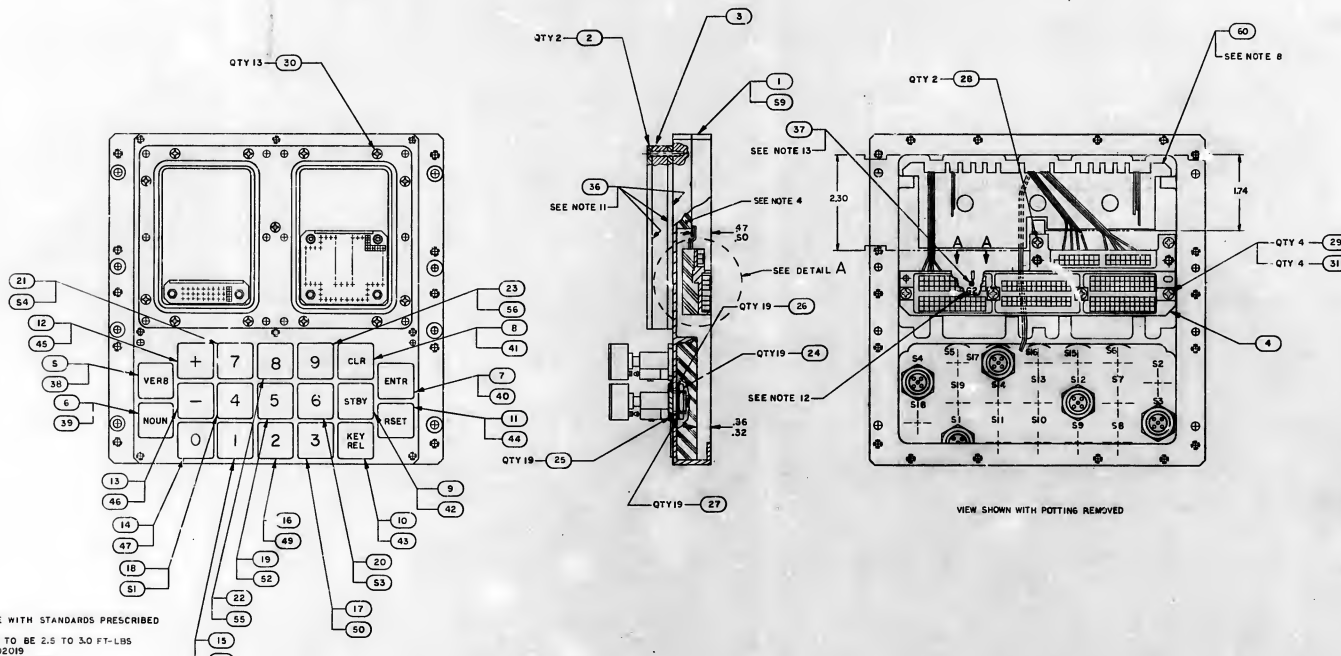
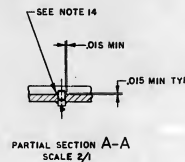
SECTION B-B
SCALE 4/1

X	200992	
1	2004917	
AR	1036879	
AR	106757-1	
5	2001404-002	
6	2004004-001	
3	1006757-1	
21	006755-55	
22	2001404-001	
5	1006755-106	
AR	006755-22	
AR	006755-9	
2	2004915	
1	2004914 - C11	
1	2004913	
1	2004918 - C11	
3	M165633-C2	
2	M165633-0D5	
2	005456-1	
2	005456-3	
2	1004579-1	
1	2004956	
2	2004961	
1	2003093-C11	
2	200309-011	
1	2003907-C11	
Q11		PART OF
REQ		IDENTIFYING NO

	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	011	M-T INSTRUMENTATION LAB
	TOLERANCES OR FUNCTIONS DECIMALS ANGLES	DATE: 26 January 1978	DRAWN BY: [Signature]
	" OZ "	CHECKED BY: [Signature]	APPROVED BY: [Signature]
	DO NOT SCALE THIS DRAWING	APPROVAL OF: [Signature]	
	NATURAL		
2003985	HEAT TREATMENT	NASA APPROVAL: [Signature]	
2003900			
NEXT ASST USED Q1	FINAL FINISH	NSA APPROVAL: [Signature]	
APPRAISAL		NSA APPROVAL: [Signature]	

[illegible][illegible]

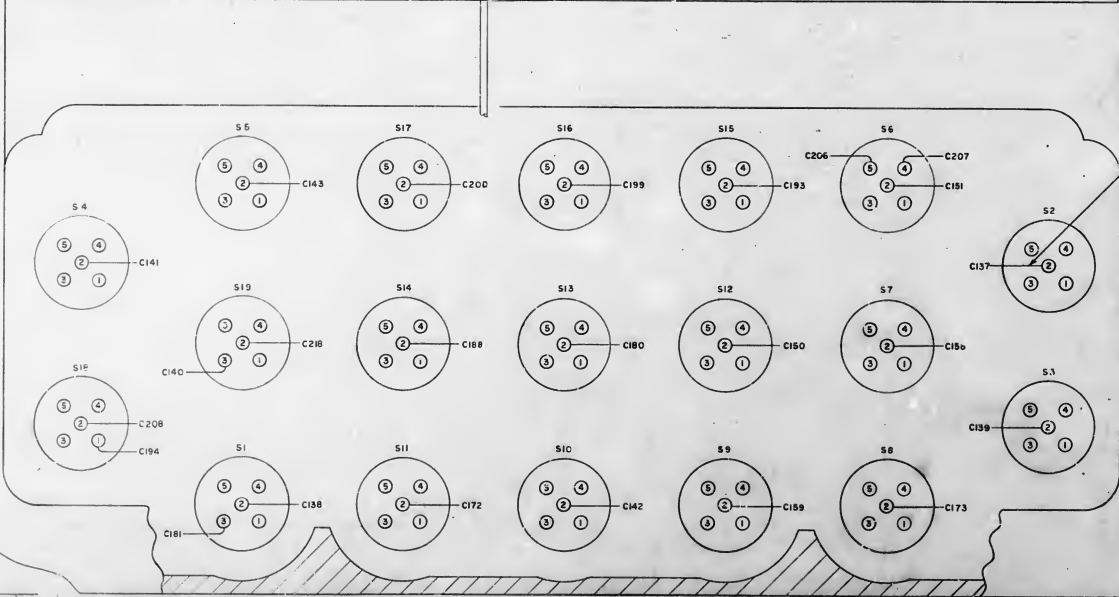
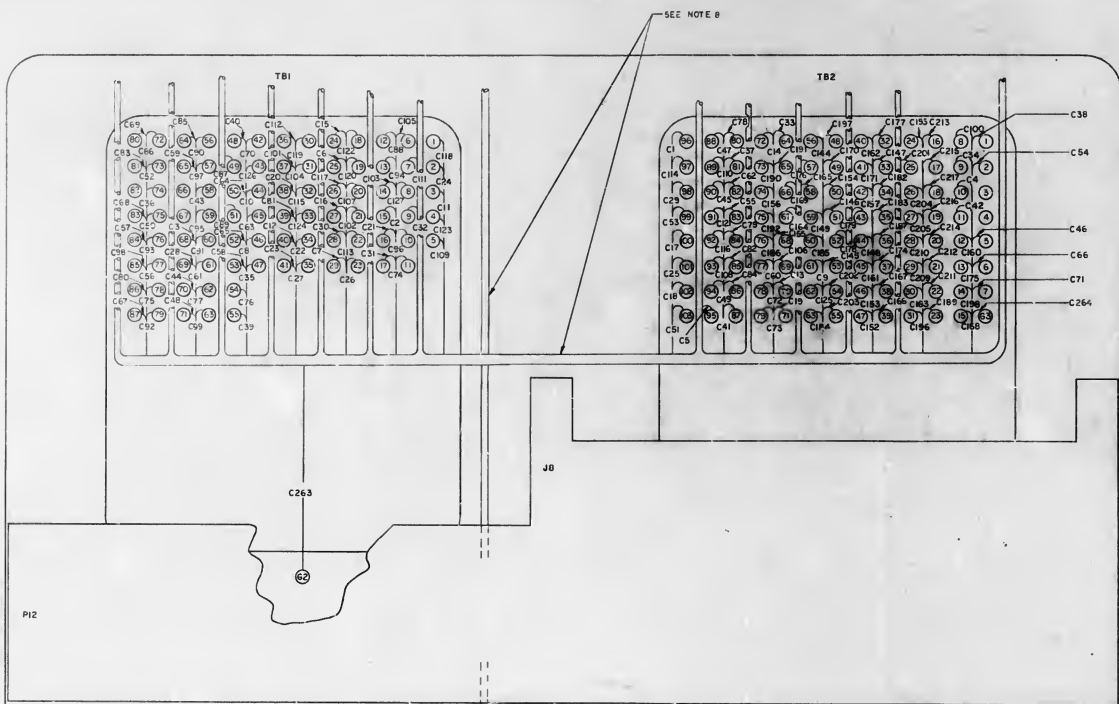
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS INCHES + .02 DO NOT SCALE THIS DRAWING MATERIAL		011 N.Y. INSTRUMENTATION LAB DATE: 11/1/88 DRAWN BY: J. J. J. DATE: 11/1/88 CHECKED BY: J. J. J. DATE: 11/1/88 APPROVED BY: J. J. J. DATE: 11/1/88 SCALE: 1/1	LIST OF MATERIALS MANHATTAN SPOONFEATHER CENTER HIGHER TEAMS
2003198 2003192		INDICATOR DRIVER ASSY MODULE DI-D6 AGS DSKY	
MEET GOVT	USED ON	NASA GOVT NO. 800330 SCALE 2/1	NASA DRAWING NO. 2003902
APPLICATION	FINAL FORM	SET APPROVAL: J. J. J. DATE: 11/1/88	SHO 1 OF 1



1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70382
2. MOUNTING TORQUE FOR FIND NO. 24 TO BE 2.5 TO 3Q.TI-1B5
3. IDENTIFY WITH PART NO. PER NID002019
4. ENCAP-SULFITE INCLUDED AREA PER NID00236
5. SOLDER PERIOD 1000257 USING SOLDER PER NID002075
6. WELD PER NID00205
7. A. DENOTES AS REQUIRED
8. BFC FIND NO.31 IS TO FIND NO.1 OR FIND NO.59 PER NID00204 TYPE IV
9. C.F.S. AND TRIM A3 ASSEMBLY USING FIND NO.34
10. ~~11. BFC FIND NO.31 IS TO FIND NO.1 OR FIND NO.59 PER NID00204 TYPE IV~~
11. ~~12. IDENTIFY WITH PART NO. PER NID002019~~
12. DO NOT APPLY TO BONDED RUBBER
13. MARK 0740 TO IDENTIFY WITH FIND NO.2019 AND NID00212
14. TYPE CLASS 2 USING MARKING INC 10062711
15. MOUNTING TORQUE FOR FIND NO.37 TO BE 15-20 INCH LBS
16. IDENTIFY WITH PART NO. PER NID002019 AND NID00204 TYPE III
17. SEAL - ISOLATORS ON FIND NO.4 PER NID002019

[illegible][illegible]

REVOLUTION		DATE	BY	APP'D
A	REVISED PER TORR 22463			
B	REVISED PER TORR 23230			
C	REVISED PER TORR 24663			
D	REVISED PER TORR 25032			
E	REVISED PER TORR 26856			



2003903 E

CITY: 7000		PART OR IDENTIFYING NO:		MANUFACTURE LOT		PAGE NO:	
LIST OF MATERIALS		MANNED SPACECRAFT CENTER					
ITEM		DESCRIPTION					
QTY		UNIT					
DIMENSIONS ARE IN INCHES		FRACTIONS DECIMALS ANGLES					
DO NOT SCALE THIS DRAWING		MATERIAL					
NEXT ASSEMBLY		USED ON		DATE		BY	
APPROVAL		APPROVAL		APPROVAL		APPROVAL	
80230 J		80230 J		80230 J		80230 J	
80230 J		80230 J		80230 J		80230 J	

LEAD ELECTRICAL									
COND IDENT	REMARKS	FROM	FINO NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS	
C1		P12-131	32	WHT	24	A.R.	TB2-96		
C2		P12-132	32	WHT	24	A.R.	TB1-95		
C3		P12-133	32	WHT	24	A.R.	TB1-94		
C4		P12-134	32	WHT	24	A.R.	TB1-93		
C5		P12-135	32	WHT	24	A.R.	TB2-95		
C6		P12-136	32	WHT	24	A.R.	TB1-25		
C7		P12-137	32	WHT	24	A.R.	TB1-26		
C8		P12-138	32	WHT	24	A.R.	TB1-46		
C9		P12-139	32	WHT	24	A.R.	TB1-47		
C10		P12-140	32	WHT	24	A.R.	TB1-44		
C11		P12-141	32	WHT	24	A.R.	TB1-43		
C12		P12-142	32	WHT	24	A.R.	TB1-40		
C13		P12-143	32	WHT	24	A.R.	TB2-70		
C14		P12-144	32	WHT	24	A.R.	TB2-72		
C15		P12-145	32	WHT	24	A.R.	TB1-24		
C16		P12-146	32	WHT	24	A.R.	TB1-27		
C17		P12-147	32	WHT	24	A.R.	TB2-100		
C18		P12-148	32	WHT	24	A.R.	TB1-102		
C19		P12-149	32	WHT	24	A.R.	TB2-71		
C20		P12-150	32	WHT	24	A.R.	TB1-38		
C21		P12-151	32	WHT	24	A.R.	TB1-36		
C22		P12-152	32	WHT	24	A.R.	TB1-34		
C23		P12-153	32	WHT	24	A.R.	TB1-41		
C24		P12-154	32	WHT	24	A.R.	TB1-42		
C25		P12-155	32	WHT	24	A.R.	TB2-101		
C26		P12-156	32	WHT	24	A.R.	TB1-103		
C27		P12-157	32	WHT	24	A.R.	TB1-35		
C28		P12-158	32	WHT	24	A.R.	TB1-69		
C29		P12-159	32	WHT	24	A.R.	TB1-23		
C30		P12-160	32	WHT	24	A.R.	TB1-28		
C31		P12-161	32	WHT	24	A.R.	TB1-17		
C32		P12-162	32	WHT	24	A.R.	TB1-18		
C33		P12-163	32	WHT	24	A.R.	TB2-44		
C34		P12-164	32	WHT	24	A.R.	TB2-49		
C35		P12-165	32	WHT	24	A.R.	TB1-17		
C36		P12-166	32	WHT	24	A.R.	TB1-74		
C37		P12-167	32	WHT	24	A.R.	TB2-81		
C38		P12-168	32	WHT	24	A.R.	TB1-55		
C39		P12-169	32	WHT	24	A.R.	TB1-48		
C40		P12-170	32	WHT	24	A.R.	TB2-87		
C41		P12-171	32	WHT	24	A.R.	TB2-11		
C42		P12-172	32	WHT	24	A.R.	TB1-28		
C43		P12-173	32	WHT	24	A.R.	TB1-29		
C44		P12-174	32	WHT	24	A.R.	TB1-20		
C45		P12-175	32	WHT	24	A.R.	TB2-50		
C46		P12-176	32	WHT	24	A.R.	TB2-5		
C47		P12-177	32	WHT	24	A.R.	TB2-48		
C48		P12-178	32	WHT	24	A.R.	TB1-71		
C49		P12-179	32	WHT	24	A.R.	TB2-94		
C50		P12-180	32	WHT	24	A.R.	TB1-25		
C51		P12-181	32	WHT	24	A.R.	TB2-103		
C52		P12-182	32	WHT	24	A.R.	TB1-25		
C53		P12-183	32	WHT	24	A.R.	TB2-99		
C54		P12-184	32	WHT	24	A.R.	TB2-2		
C55		P12-185	32	WHT	24	A.R.	TB2-83		
C56		P12-186	32	WHT	24	A.R.	TB1-77		
C57		P12-187	32	WHT	24	A.R.	TB1-84		
C58		P12-188	32	WHT	24	A.R.	TB1-53		
C59		P12-189	32	WHT	24	A.R.	TB1-65		
C60		P12-190	32	WHT	24	A.R.	TB2-77		
C61		P12-191	32	WHT	24	A.R.	TB1-61		
C62		P12-192	32	WHT	24	A.R.	TB2-82		
C63		P12-193	32	WHT	24	A.R.	TB1-45		
C64		P12-194	32	WHT	24	A.R.	TB1-45		
C65		P12-195	32	WHT	24	A.R.	TB2-82		
C66		P12-196	32	WHT	24	A.R.	TB1-52		
C67		P12-197	32	WHT	24	A.R.	TB2-6		
C68		P12-198	32	WHT	24	A.R.	TB1-87		
C69		P12-199	32	WHT	24	A.R.	TB1-80		
C70		P12-200	32	WHT	24	A.R.	TB1-42		
C71		P12-201	32	WHT	24	A.R.	TB2-7		
C72		P12-202	32	WHT	24	A.R.	TB2-78		
C73		P12-203	32	WHT	24	A.R.	TB2-79		
C74		P12-204	32	WHT	24	A.R.	TB1-11		
C75		P12-205	32	WHT	24	A.R.	TB1-78		
C76		P12-206	32	WHT	24	A.R.	TB1-54		
C77		P12-207	32	WHT	24	A.R.	TB1-62		
C78		P12-208	32	WHT	24	A.R.	TB2-93		
C79		P12-209	32	WHT	24	A.R.	TB2-84		
C80		P12-210	32	WHT	24	A.R.	TB1-86		
C81		P12-211	32	WHT	24	A.R.	TB1-30		
C82		P12-212	32	WHT	24	A.R.	TB2-85		
C83		P12-213	32	WHT	24	A.R.	TB1-81		
C84		P12-214	32	WHT	24	A.R.	TB2-63		
C85		P12-215	32	WHT	24	A.R.	TB1-64		
C86		P12-216	32	WHT	24	A.R.	TB1-78		
C87		P12-217	32	WHT	24	A.R.	TB1-59		
C88		P12-218	32	WHT	24	A.R.	TB1-12		

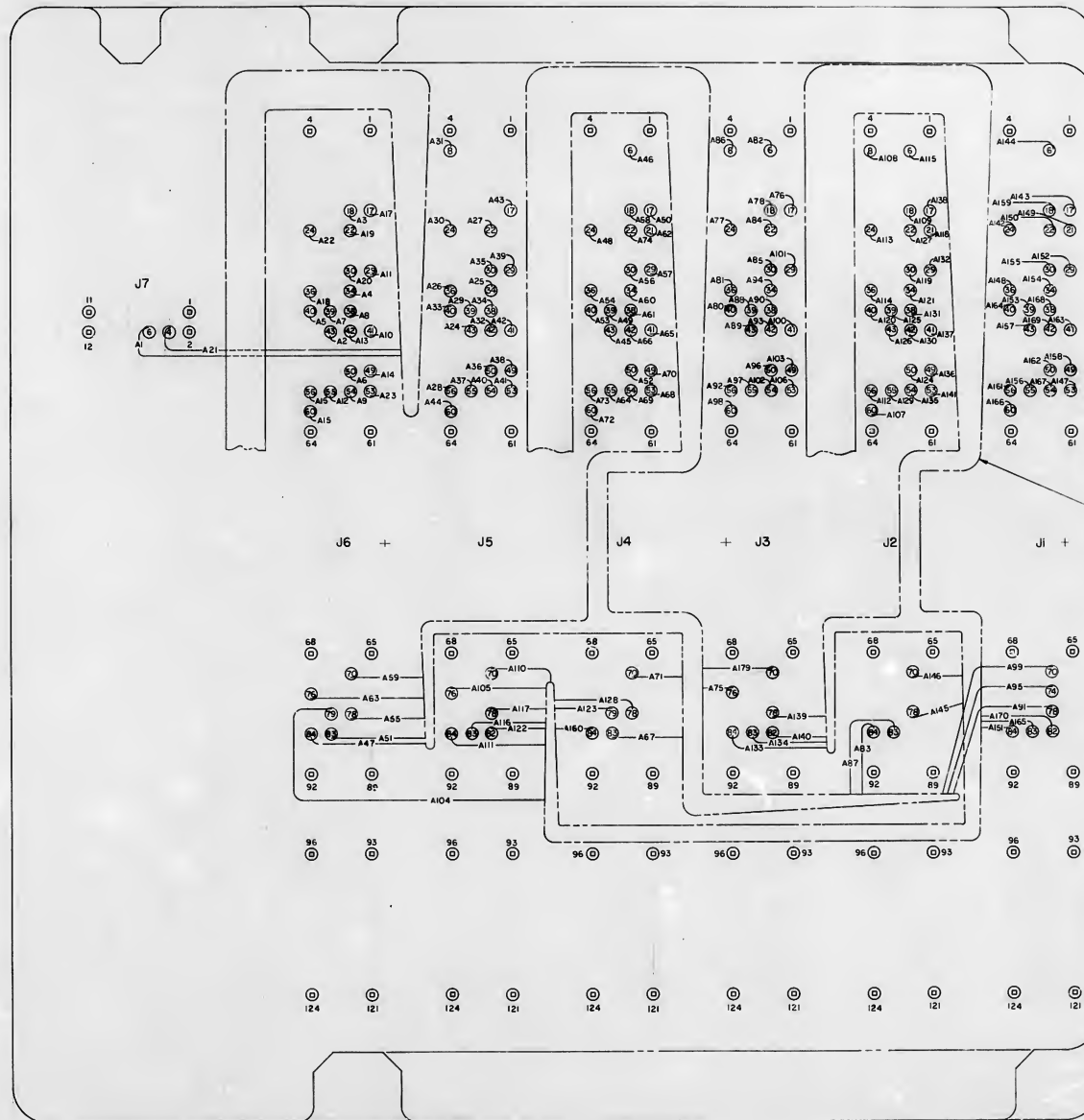
LEAD ELECTRICAL									
COND IDENT	REMARKS	FROM	FINO NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS	
C89		P12-46	32	WHT	24	A-2	TB1-51		
C90		P12-47	32	WHT	24	A-2	TB1-56		
C91		P12-48	32	WHT	24	A-2	TB1-48		
C92		P12-49	32	WHT	24	A-2	TB1-79		
C93		P12-50	32	WHT	24	A-2	TB1-76		
C94		P12-51	32	WHT	24	A-2	TB1-33		
C95		P12-52	32	WHT	24	A-2	TB1-59		
C96		P12-53	32	WHT	24	A-2	TB1-10		
C97		P12-54	32	WHT	24	A-2	TB1-27		
C98		P12-55	32	WHT	24	A-2	TB1-65		
C99		P12-56	32	WHT	24	A-2	TB1-63		
C100		P12-57	32	WHT	24	A-2	TB2-8		
C101		P12-58	32	WHT	24	A-2	TB1-37		
C102		P12-59	32	WHT	24	A-2	TB1-21		
C103		P12-60	32	WHT	24	A-2	TB1-16		
C104		P12-61	32	WHT	24	A-2	TB1-31		
C105		P12-62	32	WHT	24	A-2	TB1-6		
C106		P12-63	32	WHT	24	A-2	TB2-29		
C107		P12-64	32	WHT	24	A-2	TB1-20		
C108		P12-65	32	WHT	24	A-2	TB2-93		
C109		P12-66	32	WHT	24	A-2	TB1-5		
C110		P12-67	32	WHT	24	A-2	TB2-49		
C111		P12-68	32	WHT	24	A-2	TB1-7		
C112		P12-69	32	WHT	24	A-2	TB1-22		
C113		P12-70	32	WHT	24	A-2	TB1-15		
C114		P12-71	32	WHT	24	A-2	TB2-87		
C115		P12-72	32	WHT	24	A-2	TB1-32		
C116		P12-73	32	WHT	24	A-2	TB2-92		
C117		P12-74	32	WHT	24	A-2	TB1-26		
C118		P12-75	32	WHT	24	A-2	TB1-18		
C119		P12-76	32	WHT	24	A-2	TB1-50		
C120		P12-77	32	WHT	24	A-2	TB1-13		
C121		P12-78	32	WHT	24	A-2	TB2-91		
C122		P12-79	32	WHT	24	A-2	TB1-18		
C123		P12-80	32	WHT	24	A-2	TB1-4		
C124		P12-81	32	WHT	24	A-2	TB1-33		
C125		P12-82	32	WHT	24	A-2	TB2-62		
C126		P12-83	32	WHT	24	A-2	TB1-43		
C127		P12-84	32	WHT	24	A-2	TB1-8		
C128		P12-85	32	WHT	24	A-2	TB1-5		
C129		P12-86	32	WHT	24	A-2	TB1-2		
C130		P12-87	32	WHT	24	A-2	TB1-5		
C131		P12-88	32	WHT	24	A-2	TB1-5		
C132		P12-89	32	WHT	24	A-2	TB1-5		
C133		P12-90	32	WHT	24	A-2	TB1-5		
C134		P12-91	32	WHT	24	A-2	TB1-5		
C135		P12-92	32	WHT	24	A-2	TB1-5		
C136		P12-93	32	WHT	24	A-2	TB1-5		
C137		P12-94	32	WHT	24	A-2	TB1-5		
C138		P12-95	32	WHT	24	A-2	TB1-5		
C139		P12-96	32	WHT	24	A-2	TB1-5		
C140		P12-97	32	WHT	24	A-2	TB1-5		
C141		P12-98	32	WHT	24	A-2	TB1-5		
C142		P12-99	32	WHT	24	A-2	TB1-5		
C143		P12-100	32	WHT	24	A-2	TB1-5		
C144		P12-101	32	WHT	24	A-2	TB1-5		
C145		P12-102	32	WHT	24	A-2	TB1-5		
C146		P12-103	32	WHT	24	A-2	TB1-5		
C147		P12-104	32	WHT	24	A-2	TB1-5		
C148		P12-105	32	WHT	24	A-2	TB1-5		
C149		P12-106	32	WHT	24	A-2	TB1-5		
C150		P12-107	32	WHT	24	A-2	TB1-5		
C151		P12-108	32	WHT	24	A-2	TB1-5		
C152		P12-109	32	WHT	24	A-2	TB1-5		
C153		P12-110	32	WHT	24	A-2	TB1-5		
C154		P12-111	32	WHT	24	A-2	TB1-5		
C155		P12-112	32	WHT	24	A-2	TB1-5		
C156		P12-113	32	WHT	24	A-2	TB1-5		
C157		P12-114	32	WHT	24	A-2	TB1-5		
C158		P12-115	32	WHT	24	A-2	TB1-5		
C159		P12-116	32	WHT	24	A-2	TB1-5		
C160		P12-117	32	WHT	24	A-2	TB1-5		
C161		P12-118	32	WHT	24	A-2	TB1-5		
C162		P12-119	32	WHT	24	A-2	TB1-5		
C163		P12-120	32	WHT	24	A-2	TB1-5		
C164		P12-121	32	WHT	24	A-2	TB1-5		
C165		P12-122	32	WHT	24	A-2	TB1-5		
C166		P12-123	32	WHT	24	A-2	TB1-5		
C167		P12-124	32	WHT	24	A-2	TB1-5		
C168		P12-125	32	WHT	24	A-2	TB1-5		
C169		P12-126	32	WHT	24	A-2	TB1-5		
C170		P12-127	32	WHT	24	A-2	TB1-5		
C171		P12-128	32	WHT	24	A-2	TB2-41		
C172		P12-129	32	WHT	24	A-2	TB2-41		
C173		P12-130	32	WHT	24	A-2	TB2-41		
C174		P12-131	32	WHT	24	A-2	TB2-37		
C175		P12-132	32	WHT	24	A-2	TB2-33		
C176		P12-133	32	WHT	24	A-2	TB2-33		
C177		P12-134	32	WHT	24	A-2	TB2-33		
C178		P12-135	32	WHT	24	A-2	TB2-33		
C179		P12-136	32	WHT	24	A-2	TB2-33		
C180		P12-137	32	WHT	24	A-2	TB2-33		
C181		P12-138	32	WHT	24	A-2	TB2-33		
C182		P12-139	32	WHT	24	A-2	TB2-33		
C183		P12-140	32	WHT	24	A-2	TB2-33		
C184		P12-141	32	WHT	24	A-2	TB2-33		
C185		P12-142	32	WHT	24	A-2	TB2-33		
C186		P12-143	32	WHT	24	A-2	TB2-33		
C187		P12-144	32	WHT	24	A-2	TB2-33		
C188		P12-145	32	WHT	24	A-2	TB2-33		
C189		P12-146	32	WHT	24	A-2	TB2-33		
C190		P12-147	32	WHT	24	A-2	TB2-33		
C191		P12-148	32	WHT	24	A-2	TB2-33		
C192		P12-149	32	WHT	24	A-2	TB2-33		
C193		P12-150	32	WHT	24	A-2	TB2-33		
C194		P12-151	32	WHT	24	A-2	TB2-33		
C195		P12-152	32	WHT	24	A-2	TB2-33		
C196		P12-153	32	WHT	24	A-2	TB2-33		
C197		P12-154	32	WHT	24	A-2	TB2-33		
C198		P12-155	32	WHT	24	A-2	TB2-33		
C199		P12-156	32	WHT	24	A-2	TB2-33		
C200		P12-157	32	WHT	24	A-2	TB2-33		
C201		P12-158	32	WHT	24	A-2	TB2-33		
C202		P12-159	32	WHT	24	A-2	TB2-33		
C203		P12-160	32	WHT	24	A-2	TB2-33		
C204		P12-161	32	WHT	24	A-2	TB2-33		
C205		P12-162	32	WHT	24	A-2	TB2-33		
C206		P12-163	32	WHT	24	A-2	TB2-33		
C207		P12-164	32	WHT	24	A-2	TB2-33		
C208		P12-165	32	WHT	24	A-2	TB2-33		
C209		P12-166	32	WHT	24	A-2	TB2-33		
C210		P12-167	32	WHT	24	A-2	TB2-33		
C211		P12-168	32	WHT	24	A-2	TB2-33		
C212		P12-169	32	WHT	24	A-2	TB2-33		
C213		P12-170	32	WHT	24	A-2	TB2-33		
C214		P12-171	32	WHT	24	A-2	TB2-33		
C215		P12-172	32	WHT	24	A-2	TB2-33		
C216		P12-173	32	WHT	24	A-2	TB2-33		
C217		P12-174	32	WHT	24	A-2	TB2-33		
C218		P12-175	32	WHT	24	A-2	TB2-33		
C219		P12-176	32	WHT	24	A-2	TB2-33		
C220		P12-177	32	WHT	24	A-2	TB2-33		
C221		P12-178	32	WHT	24	A-2	TB2-33		
C222		P12-179	32	WHT	24	A-2	TB2-33		
C223		P12-180	32	WHT	24	A-2	TB2-33		
C224		P12-181	32	WHT	24	A-2	TB2-33		
C225		P12-182	32	WHT	24	A-2	TB2-33		
C226		P12-183	32	WHT	24	A-2	TB2-33		
C227		P12-184	32	WHT	24	A-2	TB2-33		
C228		P12-185	32	WHT	24	A-2	TB2-33		
C229		P12-186	32	WHT	24	A-2	TB2-33		
C230		P12-187	32	WHT	24	A-2	TB2-33		
C231		P12-188	32	WHT	24	A-2	TB2-33		
C232		P12-189	32	WHT	24	A-2	TB2-33		
C233		P12-190	32	WHT	24	A-2	TB2-33		
C234		P12-191	32	WHT	24	A-2	TB2-33		
C235		P12-192	32	WHT	24	A-2	TB2-33		
C236		P12-193	32	WHT	24	A-2	TB2-33		
C237		P12-194	32	WHT	24	A-2	TB2-33		
C238		P12-195	32	WHT	24	A-2	TB2-33		
C239		P12-196	32	WHT	24	A-2	TB2-33		
C240		P12-197	32	WHT	24	A-2	TB2-33		
C241		P12-198	32	WHT	24	A-2	TB2-33		
C242		P12-199	32	WHT	24	A-2	TB2-33		
C243		P12-200	32	WHT	24	A-2	TB2-33		
C244		P12-201	32	WHT	24	A-2	TB2-33		
C245		P12-202	32	WHT	24	A-2	TB2-33		
C246		P12-203	32	WHT	24	A-2	TB2-33		
C247		P12-204	32	WHT	24	A-2	TB2-33		
C248		P12-205	32	WHT	24	A-2	TB2-33		
C249		P12-206	32	WHT	24	A-2	TB2-33		
C250		P12-207	32	WHT	24	A-2	TB2-33		
C251		P12-208	32	WHT	24	A-2	TB2-33		
C252		P12-209	32	WHT	24	A-2	TB2-33		
C253		P12-210	32	WHT	24	A-2	TB2-33		
C254		P12-211	32	WHT	24	A-2	TB2-33		
C255		P12-212	32	WHT	24	A-2	TB2-33		
C256		P12-213	32	WHT	24	A-2	TB2-33		
C257		P12-214	32	WHT	24	A-2	TB2-33		
C258		P12-215	32	WHT	24	A-2	TB2-33		

ROOM	FLOOR NO.	COLOR	SIZE A/W	LENGTH	TO	REMARKS
3	32	WNT	24	A B	TB2-20	
153					TB1-10	
154					TB2-10	
157					TB2-25	
158					TB1-25	
159					TB1-22	
160					TB1-44	
163					TB2-6	
164					TB1-44	
165					TB1-3	
166					TB1-40	
169					TB2-7	
170					TB2-7	
171					TB1-24	
172					TB1-27	
173					TB2-100	
174					TB2-102	
177					TB2-7	
178					TB1-38	
181					TB1-16	
182					TB1-34	
183					TB1-41	
184					TB1-2	
187					TB2-103	
188					TB1-23	
189					TB1-35	
190					TB1-61	
193					TB2-26	
194					TB1-28	
195					TB1-17	
196					TB1-9	
199					TB2-64	
200					TB2-7	
201					TB1-47	
202					TB2-74	
203					TB2-61	
206					TB2-1	
207					TB2-1	
208					TB2-1	
209					TB2-1	
210					TB2-1	
211					TB2-1	
212					TB2-1	
213					TB2-1	
214					TB2-1	
215					TB2-1	
216					TB2-1	
217					TB2-1	
218					TB2-1	
219					TB2-1	
220					TB2-1	
221					TB2-1	
222					TB2-1	
223					TB2-1	
224					TB2-1	
225					TB2-1	
226					TB2-1	
227					TB2-1	
228					TB2-1	
229					TB2-1	
230					TB2-1	
231					TB2-1	
232					TB2-1	
233					TB2-1	
234					TB2-1	
235					TB2-1	
236					TB2-1	
237					TB2-1	
238					TB2-1	
239					TB2-1	
240					TB2-1	
241					TB2-1	
242					TB2-1	
243					TB2-1	
244					TB2-1	
245					TB2-1	
246					TB2-1	
247					TB2-1	
248					TB2-1	
249					TB2-1	
250					TB2-1	
251					TB2-1	
252					TB2-1	
253					TB2-1	
254					TB2-1	
255					TB2-1	
256					TB2-1	
257					TB2-1	
258					TB2-1	
259					TB2-1	
260					TB2-1	
261					TB2-1	
262					TB2-1	
263					TB2-1	
264					TB2-1	

COND IDEN	REMARKS	FROM	FIND NO.	COLOR	SIZE AWS	LENGTH	TO	REMARKS
C89		P12-46	32	WHT	24	A R	T81-51	
C90		-47					T81-56	
C91		-48					T81-50	
C92		-37					T81-79	
C93		-38					T81-76	
C94		-39					T81-13	
C95		-40					T81-59	
C96		-41					T81-60	
C97		-42					T81-57	
C98		-31					T81-85	
C99		-32					T81-63	
C100		-33					T82-8	
C101		-34					T81-37	
C102		-35					T81-21	
C103		-36					T81-14	
C104		-25					T82-31	
C105		-27					T81-6	
C106	SEE NOTE 6	-28					T82-4	SEE NOTE 6
C107		-29					T81-20	
C108		-30					T82-83	
C109		-21					T81-5	
C110		-22					T82-89	
C111		-23					T81-7	
C112		-24					T81-34	
C113		-13					T81-22	
C114		-15					T82-57	
C115		-16					T81-32	
C116		-17					T82-92	
C117		-18					T81-25	
C118		-7					T81-1	
C119		-8					T81-19	
C120		-10					T82-91	
C121		-11					T82-9	
C122		-12					T81-18	
C123		-1					T81-4	
C124		-3					T81-33	
C125		-6					T82-62	
C126		-5					T81-35	
C127		P12-6	32	WHT	24		T81-8	
C128	SEE NOTE 5	S16-3	35	YEL	26		S17-3	SEE NOTE 5
C129	SEE NOTE 5	S17-4	37	RED	26		S17-5	
C130		S5-5	58	GRN	51		S11-5	TWIST
C131		S19-4	57	RED	3		S1-9	TWIST
C132		S19-3	58	ORNI	51		S1-15	TWIST
C133		S1-4	57	REC	51		S18-4	TWIST
C134		S10-4	58	ORNI	51		S18-5	
C135	SEE NOTE 5	S10-4	58	ORNI	51		S1-4	TWIST
C136		S10-5	58	ORNI	51		S4-5	
C137		-3	33	WHT			S2-2	
C138		-5					S1-2	
C139		-8					S3-2	
C140	SEE NOTE 5	-10					S10-2	SEE NOTE 5
C141		-11					S10-2	
C142		UB-13	33	WHT	26		S5-2	
C143		P12-155	33	WHT	26		T82-66	
C144		-136					T82-53	
C145		-137					T82-5	
C146	SEE NOTE 6	-138					T82-33	SEE NOTE 6
C147		-139					T82-4	
C148		P12-40	32				T82-59	
C149		UB-14	33				T82-23	
C150	SEE NOTE 5	UB-14	33				S6-2	SEE NOTE 5
C151		UB-15	33				S6-2	
C152		P12-41	32				T82-47	
C153		-142					T82-48	
C154	SEE NOTE 6	-143					T82-50	SEE NOTE 6
C155		-144					T82-46	
C156		-145					T82-42	
C157		P12-46	32				S2-2	
C158		UB-17	33	WHT	26		S2-2	

COND ID	REMARKS	FRAG	FIND NO.	COLOR	SIZE AWB	LENGTH	TO	REMARKS
C177		P12-162	32	WHT	24	A R	T82-32	
C178	SEE NOTE 6	P12-163	32	WHT	24		T82-32	SEE NOTE 6
C179		P12-164	32	WHT	24		T82-32	
C180	SEE NOTE 5	J8-20	33	WHT	26		513-2	SEE NOTE 5
C181		J8-21	33	WHT	26		513-2	
C182		P12-163	32	WHT	24		T82-34	
C183		P-165					1-35	
C184	SEE NOTE 6	-167					-83	SEE NOTE 6
C185		-168					-70	
C186		-169					-76	
C187		P12-170	32	WHT	24		T82-36	
C188	SEE NOTE 5	J8-22	33				514-2	SEE NOTE 5
C189		P12-190	32		24		T82-23	
C190		P12-171	32		24		T82-23	
C191	SEE NOTE 6	P-175					2-75	SEE NOTE 6
C192		P12-176	32		24		T82-75	
C193		J8-23	33		26		515-2	
C194	SEE NOTE 5	J8-25	33		26		517-2	SEE NOTE 5
C195		P12-196	32		24		T82-24	
C196		P12-197	32		24		T82-24	
C197	SEE NOTE 6	P-204					1-46	SEE NOTE 6
C198		P12-192	32		24		T82-14	
C199	SEE NOTE 5	J8-26	33		26		516-2	SEE NOTE 5
C200		J8-27	33		26		517-2	
C201		P12-185	32		24		T82-25	
C202		P12-192	32		24		T82-25	
C203	SEE NOTE 6	J8-27	33		26		517-2	SEE NOTE 6
C204		-187					-55	
C205		-189					-76	
C206		P12-193	32	WHT	24		T82-27	
C207	SEE NOTE 5	P-193	58	ORN	26		56-25	TWIST
C208		P12-194	37	RED	26		56-4	
C209	SEE NOTE 5	P12-195	37	WHT	26		56-3	SEE NOTE 5
C210		P12-197	32	WHT	24		T82-29	
C211		P-209					-28	
C212		-210					-22	
C213	SEE NOTE 6	-201					-21	SEE NOTE 6
C214		-202					-17	
C215		-203					-16	
C216		-186					-17	
C217		-207					-4	
C218		P12-179	33	WHT	26		519-2	
C219		51-1	35	VEL	26		52-3	
C220		52-1					53-3	
C221		53-1					54-3	
C222		54-1					55-3	
C223	SEE NOTE 5	55-1					56-3	SEE NOTE 5
C224		56-1					57-3	
C225		57-1					58-3	
C226		58-1					59-3	
C227		59-1					60-3	
C228		60-1					61-3	
C229		61-1					62-3	
C230		62-1					63-3	
C231		63-1					64-3	
C232		64-1					65-3	
C233	SEE NOTE 5	65-1	35	VEL	26		66-3	SEE NOTE 5
C234		66-1					67-3	
C235		67-1	58	ORN	26		68-3	TWIST
C236		68-1	57	RED	26		69-3	
C237		69-1	58	ORN	26		70-3	TWIST
C238		70-1	57	RED	26		71-3	
C239		71-1	58	ORN	26		72-3	TWIST
C240		72-1	57	RED	26		7	

	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: FRACTIONS DECIMALS ANGLES ± .005 ± .001 ± .001	011 INSTRUMENT
	DO NOT SCALE THIS DRAWING MATERIAL	DRAWING CHECKED BY APPROVAL APPROVAL
2003900	HEAT TREATMENT	NASA APPROVAL
HEAT ASBY USED ON	FINAL FORM	REV APPROVAL
APPLICATION		



J7

J6 + J5 J4 + J3 J2 J1 +

SEE NOTE 10 TYP

QTY REQD	PART OR IDENTIFYING NO.	NUMERATOR OR DESCRIPTION	UNIT REQD
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES</p> <p>DO NOT SCALE THIS DRAWING MATERIAL</p> <p>HEAT TREATMENT</p> <p>NEXT ASBY USED ON</p> <p>APPLICATION</p>			
<p>INSTRUMENTATION LAB CHECKED BY <i>[Signature]</i> APPROVED BY <i>[Signature]</i> DATE <i>10/15/64</i></p>		<p>MANUFACTURING CENTER HOUSTON, TEXAS MAIN HOUSING ASSEMBLY AGC DSKY</p>	
<p>DATE APPROVAL <i>10/15/64</i> BY <i>[Signature]</i></p>		<p>SCALE NOTE 10 1:1</p>	

LEAD ELECTRICAL

COND IDENT	REMARKS	FROM	FIND NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS
A2		J12-166	14	YEL	30	AR	J7-6	
A3		J167	14	YEL	30	AR	J6-43	
A4		J160	15	WHT	26		J1-16	
A5		J159	14	YEL	30		J2-36	
A6		J154	14	YEL	30		J2-36	
A7		J153	14	YEL	30		J2-36	
A8		J148	14	YEL	30		J2-36	
A9		J147	15	WHT	26		J2-36	
A10		J146	14	YEL	30		J2-36	
A11		J136	14	YEL	30		J2-36	
A12		J135	14	YEL	30		J2-36	
A13		J134	14	YEL	30		J2-36	
A14		J133	14	YEL	30		J2-36	
A15		J132	15	WHT	26		J2-36	
A16		J131	14	YEL	30		J2-36	
A17		J130	14	YEL	30		J2-36	
A18		J129	14	YEL	30		J2-36	
A19		J128	14	YEL	30		J2-36	
A20		J127	14	YEL	30		J2-36	
A21		J126	14	YEL	30		J2-36	
A22		J125	14	YEL	30		J2-36	
A23		J124	14	YEL	30		J2-36	
A24		J123	14	YEL	30		J2-36	
A25		J122	14	YEL	30		J2-36	
A26		J121	14	YEL	30		J2-36	
A27		J120	14	YEL	30		J2-36	
A28		J119	14	YEL	30		J2-36	
A29		J118	14	YEL	30		J2-36	
A30		J117	14	YEL	30		J2-36	
A31		J116	14	YEL	30		J2-36	
A32		J115	14	YEL	30		J2-36	
A33		J114	14	YEL	30		J2-36	
A34		J113	14	YEL	30		J2-36	
A35		J112	14	YEL	30		J2-36	
A36		J111	14	YEL	30		J2-36	
A37		J110	14	YEL	30		J2-36	
A38		J109	14	YEL	30		J2-36	
A39		J108	14	YEL	30		J2-36	
A40		J107	14	YEL	30		J2-36	
A41		J106	14	YEL	30		J2-36	
A42		J105	14	YEL	30		J2-36	
A43		J104	14	YEL	30		J2-36	
A44		J103	14	YEL	30		J2-36	
A45		J102	14	YEL	30		J2-36	
A46		J101	14	YEL	30		J2-36	
A47		J100	14	YEL	30		J2-36	
A48		J99	14	YEL	30		J2-36	
A49		J98	14	YEL	30		J2-36	
A50		J97	14	YEL	30		J2-36	
A51		J96	14	YEL	30		J2-36	
A52		J95	14	YEL	30		J2-36	
A53		J94	14	YEL	30		J2-36	
A54		J93	14	YEL	30		J2-36	
A55		J92	14	YEL	30		J2-36	
A56		J91	14	YEL	30		J2-36	
A57		J90	14	YEL	30		J2-36	
A58		J89	14	YEL	30		J2-36	
A59		J88	14	YEL	30		J2-36	
A60		J87	14	YEL	30		J2-36	
A61		J86	14	YEL	30		J2-36	
A62		J85	14	YEL	30		J2-36	
A63		J84	14	YEL	30		J2-36	
A64		J83	14	YEL	30		J2-36	
A65		J82	14	YEL	30		J2-36	
A66		J81	14	YEL	30		J2-36	
A67		J80	14	YEL	30		J2-36	
A68		J79	14	YEL	30		J2-36	
A69		J78	14	YEL	30		J2-36	
A70		J77	14	YEL	30		J2-36	
A71		J76	14	YEL	30		J2-36	
A72		J75	14	YEL	30		J2-36	

LEAD ELECTRICAL

COND IDENT	REMARKS	FROM	FIND NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS
A73		J12-108	14	YEL	30	AR	J4-56	
A74		J104	14	YEL	30	AR	J4-22	
A75		J103	14	YEL	30	AR	J4-22	
A76		J102	14	YEL	30	AR	J4-22	
A77		J101	14	YEL	30	AR	J4-22	
A78		J100	14	YEL	30	AR	J4-22	
A79		J99	14	YEL	30	AR	J4-22	
A80		J98	14	YEL	30	AR	J4-22	
A81		J97	14	YEL	30	AR	J4-22	
A82		J96	15	WHT	26		J3-6	
A83		J95	14	YEL	30		J3-6	
A84		J94	14	YEL	30		J3-22	
A85		J93	14	YEL	30		J3-22	
A86		J92	15	WHT	26		J3-6	
A87		J91	14	YEL	30		J2-83	
A88		J90	14	YEL	30		J3-29	
A89		J89	14	YEL	30		J3-29	
A90		J88	15	WHT	26		J3-28	
A91		J87	14	YEL	30		J1-78	
A92		J86	14	YEL	30		J3-56	
A93		J85	14	YEL	30		J3-42	
A94		J84	14	YEL	30		J3-34	
A95		J83	14	YEL	30		J1-74	
A96		J82	14	YEL	30		J3-50	
A97		J81	14	YEL	30		J3-55	
A98		J80	15	WHT	26		J3-60	
A99		J79	14	YEL	30		J1-70	
A100		J78	14	YEL	30		J3-41	
A101		J77	14	YEL	30		J3-29	
A102		J76	14	YEL	30		J3-54	
A103		J75	14	YEL	30		J3-49	
A104		J74	14	YEL	30		J6-78	
A105		J73	14	YEL	30		J5-76	
A106		J72	14	YEL	30		J3-53	
A107		J71	14	YEL	30		J3-60	
A108		J70	15	WHT	26		J5-8	
A109		J69	14	YEL	30		J3-8	
A110		J68	14	YEL	30		J5-70	
A111		J67	14	YEL	30		J5-84	
A112		J66	14	YEL	30		J2-56	
A113		J65	14	YEL	30		J2-24	
A114		J64	14	YEL	30		J2-36	
A115		J63	15	WHT	26		J2-6	
A116		J62	14	YEL	30		J5-83	
A117		J61	14	YEL	30		J5-78	
A118		J60	14	YEL	30		J2-21	
A119		J59	14	YEL	30		J2-30	
A120		J58	14	YEL	30		J2-40	
A121		J57	14	YEL	30		J2-30	
A122		J56	14	YEL	30		J5-82	
A123		J55	14	YEL	30		J4-78	
A124		J54	14	YEL	30		J2-10	
A125		J53	14	YEL	30		J2-39	
A126		J52	14	YEL	30		J2-43	
A127		J51	14	YEL	30		J2-22	
A128		J50	14	YEL	30		J4-78	
A129		J49	14	YEL	30		J2-55	
A130		J48	14	YEL	30		J2-42	
A131		J47	14	YEL	30		J2-38	
A132		J46	14	YEL	30		J2-29	
A133		J45	14	YEL	30		J5-86	
A134		J44	14	YEL	30		J3-83	
A135		J43	14	YEL	30		J2-54	
A136		J42	14	YEL	30		J5-49	
A137		J41	14	YEL	30		J2-41	
A138		J40	14	YEL	30		J2-17	
A139		J39	14	YEL	30		J5-78	
A140		J38	14	YEL	30		J3-82	
A141		J37	14	YEL	30		J2-53	
A142		J36	14	YEL	30		J1-24	
A143		J35	14	YEL	30		J1-17	
A144		J34	14	YEL	30		J1-6	

LEAD ELECTRICAL

COND IDENT	REMARKS	FROM	FIND NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS
A145		J12-32	14	YEL	30	AR	J2-78	
A146		J31	14	YEL	30	AR	J2-70	
A147		J30	14	YEL	30	AR	J1-53	
A148		J29	14	YEL	30	AR	J2-36	
A149		J28	14	YEL	30	AR	J2-36	
A150		J27	14	YEL	30	AR	J2-36	
A151		J26	14	YEL	30	AR	J2-36	
A152		J25	14	YEL	30	AR	J2-36	
A153		J24	14	YEL	30	AR	J2-36	
A154		J23	14	YEL	30	AR	J2-36	
A155		J22	14	YEL	30	AR	J2-36	
A156		J21	14	YEL	30	AR	J2-36	
A157		J20	14	YEL	30	AR	J2-36	
A158		J19	14	YEL	30	AR	J2-36	
A159		J18	14	YEL	30	AR	J2-36	
A160		J17	14	YEL	30	AR	J2-36	
A161		J16	14	YEL	30	AR	J2-36	
A162		J15	14	YEL	30	AR	J2-36	
A163		J14	14	YEL	30	AR	J2-36	
A164		J13	14	YEL	30	AR	J2-36	
A165		J12	14	YEL	30	AR	J2-36	
A166		J11	14	YEL	30	AR	J2-36	
A167		J10	14	YEL	30	AR	J2-36	
A168		J9	14	YEL	30	AR	J2-36	
A169		J8	14	YEL	30	AR	J2-36	
A170		J7	14	YEL	30	AR	J2-36	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES		INSTRUMENTS DRAWN BY CHECKED BY APPROVED BY
DO NOT SCALE THIS DRAWING MATERIAL		APPROVAL 13
HEAT TREATMENT		HEAT TREATMENT
NEXT ASSY	USED IN	FINAL TREATMENT
APPLICATION		HEAT TREATMENT

COND IDENT	REMARKS	FROM	TO	REMARKS
A73		J2-105	J4-56	
A74		J2-104	J4-22	
A75		J2-103	J4-30	
A76		J2-102	J4-17	
A77		J2-101	J4-24	
A78		J2-100	J4-28	
A79		J2-99	J4-29	
A80		J2-98	J4-29	
A81		J2-97	J4-29	
A82		J2-96	J4-29	
A83		J2-95	J4-29	
A84		J2-94	J4-29	
A85		J2-93	J4-29	
A86		J2-92	J4-29	
A87		J2-91	J4-29	
A88		J2-90	J4-29	
A89		J2-89	J4-29	
A90		J2-88	J4-29	
A91		J2-87	J4-29	
A92		J2-86	J4-29	
A93		J2-85	J4-29	
A94		J2-84	J4-29	
A95		J2-83	J4-29	
A96		J2-82	J4-29	
A97		J2-81	J4-29	
A98		J2-80	J4-29	
A99		J2-79	J4-29	
A100		J2-78	J4-29	
A101		J2-77	J4-29	
A102		J2-76	J4-29	
A103		J2-75	J4-29	
A104		J2-74	J4-29	
A105		J2-73	J4-29	
A106		J2-72	J4-29	
A107		J2-71	J4-29	
A108		J2-70	J4-29	
A109		J2-69	J4-29	
A110		J2-68	J4-29	
A111		J2-67	J4-29	
A112		J2-66	J4-29	
A113		J2-65	J4-29	
A114		J2-64	J4-29	
A115		J2-63	J4-29	
A116		J2-62	J4-29	
A117		J2-61	J4-29	
A118		J2-60	J4-29	
A119		J2-59	J4-29	
A120		J2-58	J4-29	
A121		J2-57	J4-29	
A122		J2-56	J4-29	
A123		J2-55	J4-29	
A124		J2-54	J4-29	
A125		J2-53	J4-29	
A126		J2-52	J4-29	
A127		J2-51	J4-29	
A128		J2-50	J4-29	
A129		J2-49	J4-29	
A130		J2-48	J4-29	
A131		J2-47	J4-29	
A132		J2-46	J4-29	
A133		J2-45	J4-29	
A134		J2-44	J4-29	
A135		J2-43	J4-29	
A136		J2-42	J4-29	
A137		J2-41	J4-29	
A138		J2-40	J4-29	
A139		J2-39	J4-29	
A140		J2-38	J4-29	
A141		J2-37	J4-29	
A142		J2-36	J4-29	
A143		J2-35	J4-29	
A144		J2-34	J4-29	

SEE NOTE 3

COND IDENT	REMARKS	FROM	TO	REMARKS
A73		J2-105	J4-56	
A74		J2-104	J4-22	
A75		J2-103	J4-30	
A76		J2-102	J4-17	
A77		J2-101	J4-24	
A78		J2-100	J4-28	
A79		J2-99	J4-29	
A80		J2-98	J4-29	
A81		J2-97	J4-29	
A82		J2-96	J4-29	
A83		J2-95	J4-29	
A84		J2-94	J4-29	
A85		J2-93	J4-29	
A86		J2-92	J4-29	
A87		J2-91	J4-29	
A88		J2-90	J4-29	
A89		J2-89	J4-29	
A90		J2-88	J4-29	
A91		J2-87	J4-29	
A92		J2-86	J4-29	
A93		J2-85	J4-29	
A94		J2-84	J4-29	
A95		J2-83	J4-29	
A96		J2-82	J4-29	
A97		J2-81	J4-29	
A98		J2-80	J4-29	
A99		J2-79	J4-29	
A100		J2-78	J4-29	
A101		J2-77	J4-29	
A102		J2-76	J4-29	
A103		J2-75	J4-29	
A104		J2-74	J4-29	
A105		J2-73	J4-29	
A106		J2-72	J4-29	
A107		J2-71	J4-29	
A108		J2-70	J4-29	
A109		J2-69	J4-29	
A110		J2-68	J4-29	
A111		J2-67	J4-29	
A112		J2-66	J4-29	
A113		J2-65	J4-29	
A114		J2-64	J4-29	
A115		J2-63	J4-29	
A116		J2-62	J4-29	
A117		J2-61	J4-29	
A118		J2-60	J4-29	
A119		J2-59	J4-29	
A120		J2-58	J4-29	
A121		J2-57	J4-29	
A122		J2-56	J4-29	
A123		J2-55	J4-29	
A124		J2-54	J4-29	
A125		J2-53	J4-29	
A126		J2-52	J4-29	
A127		J2-51	J4-29	
A128		J2-50	J4-29	
A129		J2-49	J4-29	
A130		J2-48	J4-29	
A131		J2-47	J4-29	
A132		J2-46	J4-29	
A133		J2-45	J4-29	
A134		J2-44	J4-29	
A135		J2-43	J4-29	
A136		J2-42	J4-29	
A137		J2-41	J4-29	
A138		J2-40	J4-29	
A139		J2-39	J4-29	
A140		J2-38	J4-29	
A141		J2-37	J4-29	
A142		J2-36	J4-29	
A143		J2-35	J4-29	
A144		J2-34	J4-29	

SEE NOTE 3

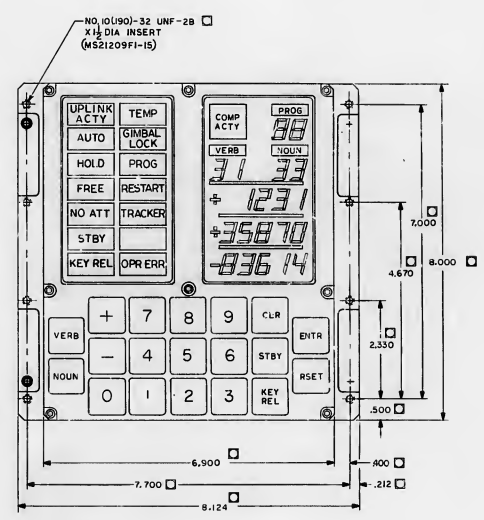
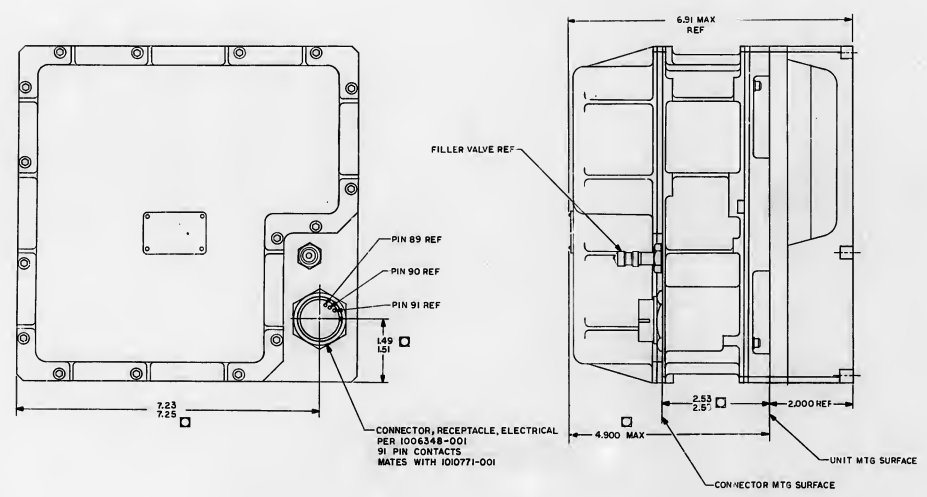
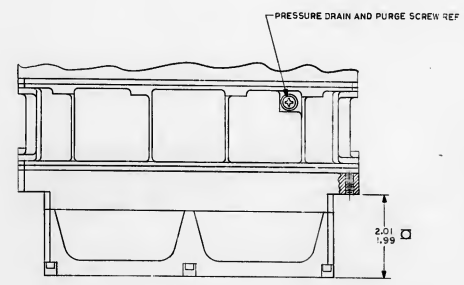
SEE NOTE 3

COND IDENT	REMARKS	FROM	TO	REMARKS
A145		J2-32	J4-28	
A146		J2-31	J4-27	
A147		J2-30	J4-26	
A148		J2-29	J4-25	
A149		J2-28	J4-24	
A150		J2-27	J4-23	
A151		J2-26	J4-22	
A152		J2-25	J4-21	
A153		J2-24	J4-20	
A154		J2-23	J4-19	
A155		J2-22	J4-18	
A156		J2-21	J4-17	
A157		J2-20	J4-16	
A158		J2-19	J4-15	
A159		J2-18	J4-14	
A160		J2-17	J4-13	
A161		J2-16	J4-12	
A162		J2-15	J4-11	
A163		J2-14	J4-10	
A164		J2-13	J4-9	
A165		J2-12	J4-8	
A166		J2-11	J4-7	
A167		J2-10	J4-6	
A168		J2-9	J4-5	
A169		J2-8	J4-4	
A170		J2-7	J4-3	

SEE NOTE 3

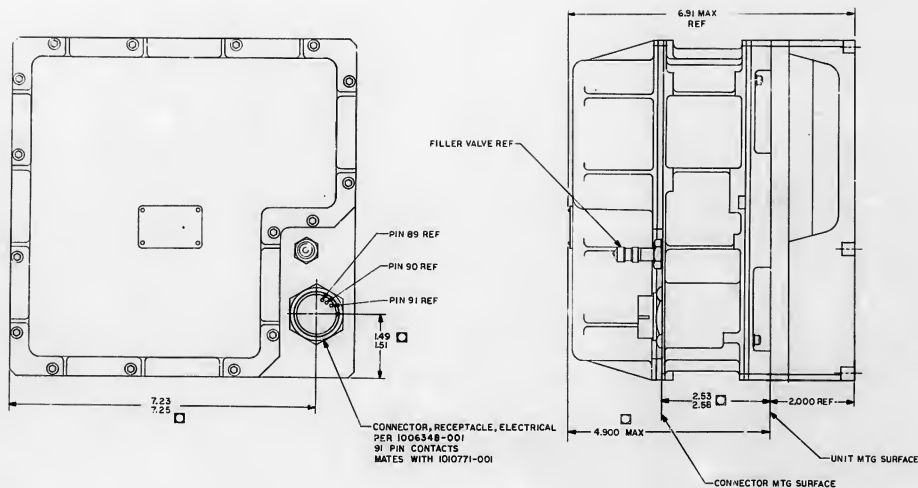
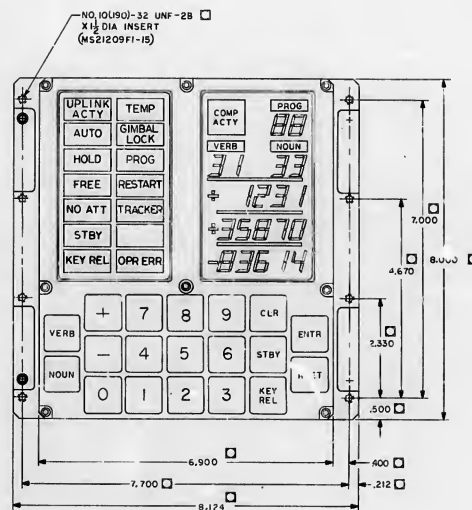
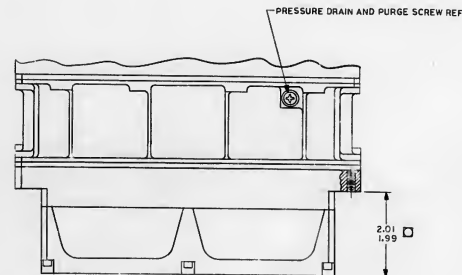
SEE NOTE 3

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES	BY INSTRUMENTATION LAB	DATE 10/1/80	2003904
DO NOT SCALE THIS DRAWING	APPROVED BY [Signature]	DATE 10/1/80	2003904
REVISIONS	NO. 1	DESCRIPTION	DATE
MANNED SPACECRAFT CENTER HOUSTON, TEXAS		MAIN HOUSING ASSEMBLY AGC DSKY	
DATE 10/1/80	2003904	DATE 10/1/80	2003904
BY INSTRUMENTATION LAB	DATE 10/1/80	BY INSTRUMENTATION LAB	DATE 10/1/80



- NOTES
1. DIMENSIONS CONTROLLED BY ICD MHQI-
 2. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
 3. WEIGHT 2.25
 4. * INDICATES CENTER OF GRAVITY *Small letter*

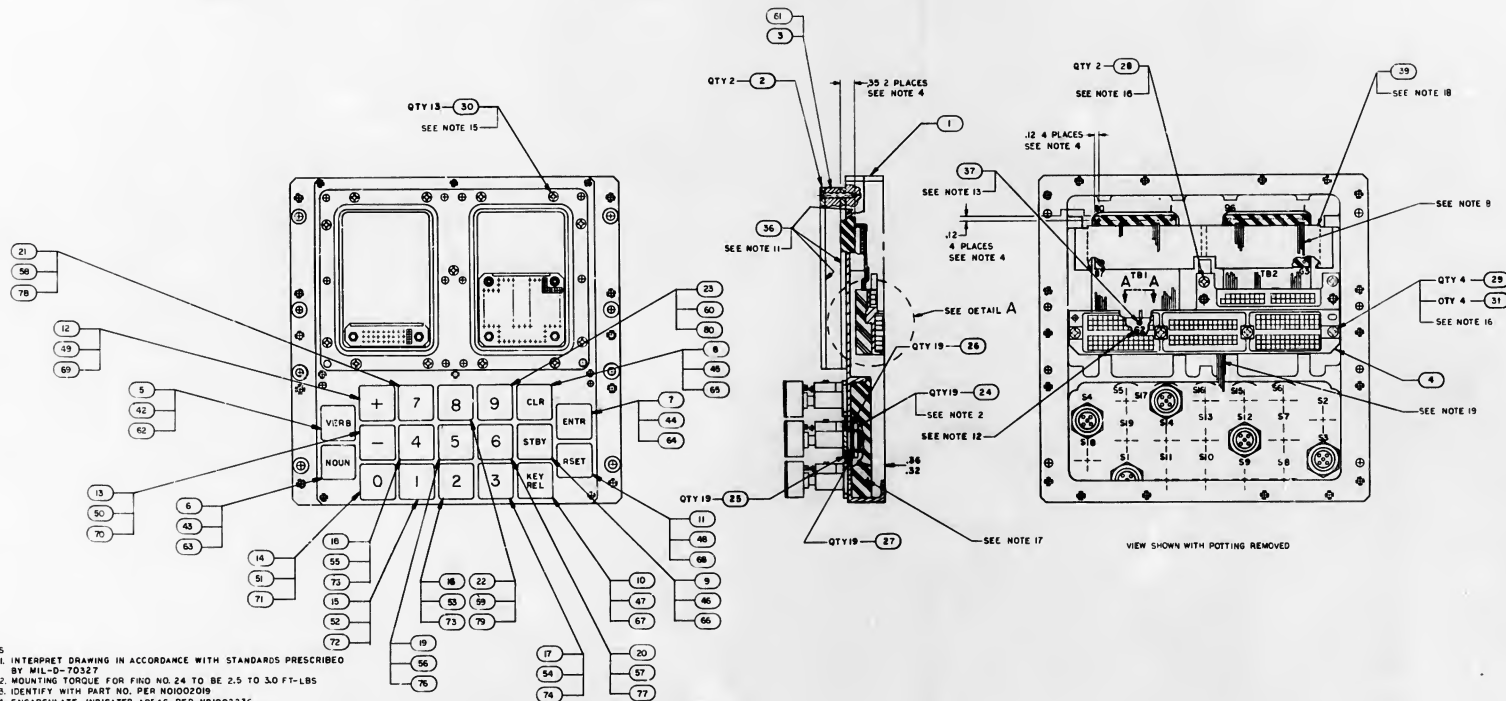
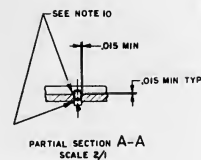
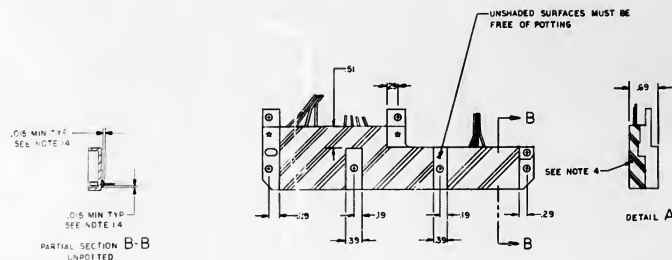
QTY	UNIT OR	NOMENCLATURE OR
REQD	IDENTIFYING NO	DESCRIPTION
LIST OF MATERIALS		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ON DECIMALS ANGLES EQU. NOT SCALE THIS DRAWING MATERIAL		
HEAT TREATMENT		
HEAT ASSY		
APPLICATION		
NASA APPROVAL		
INSTRUMENTATION LAB		
MANNED SPACECRAFT CENTER		
HOUSTON, TEXAS		
AGC DSKY		
OUTLINE DRAWING		
NASA CHANGING NO		
80230 J		
200390		
SHEET		



1. DIMENSIONS CONTROLLED BY ICD MHOI-
2. INTERPRET DRAWING IN ACCORDANCE WITH
STANDARD: PRESCRIBED BY MIL-D-70527
3. WEIGHT *See*
4. INDICATES CENTER OF GRAVITY *Small letter*

2003906

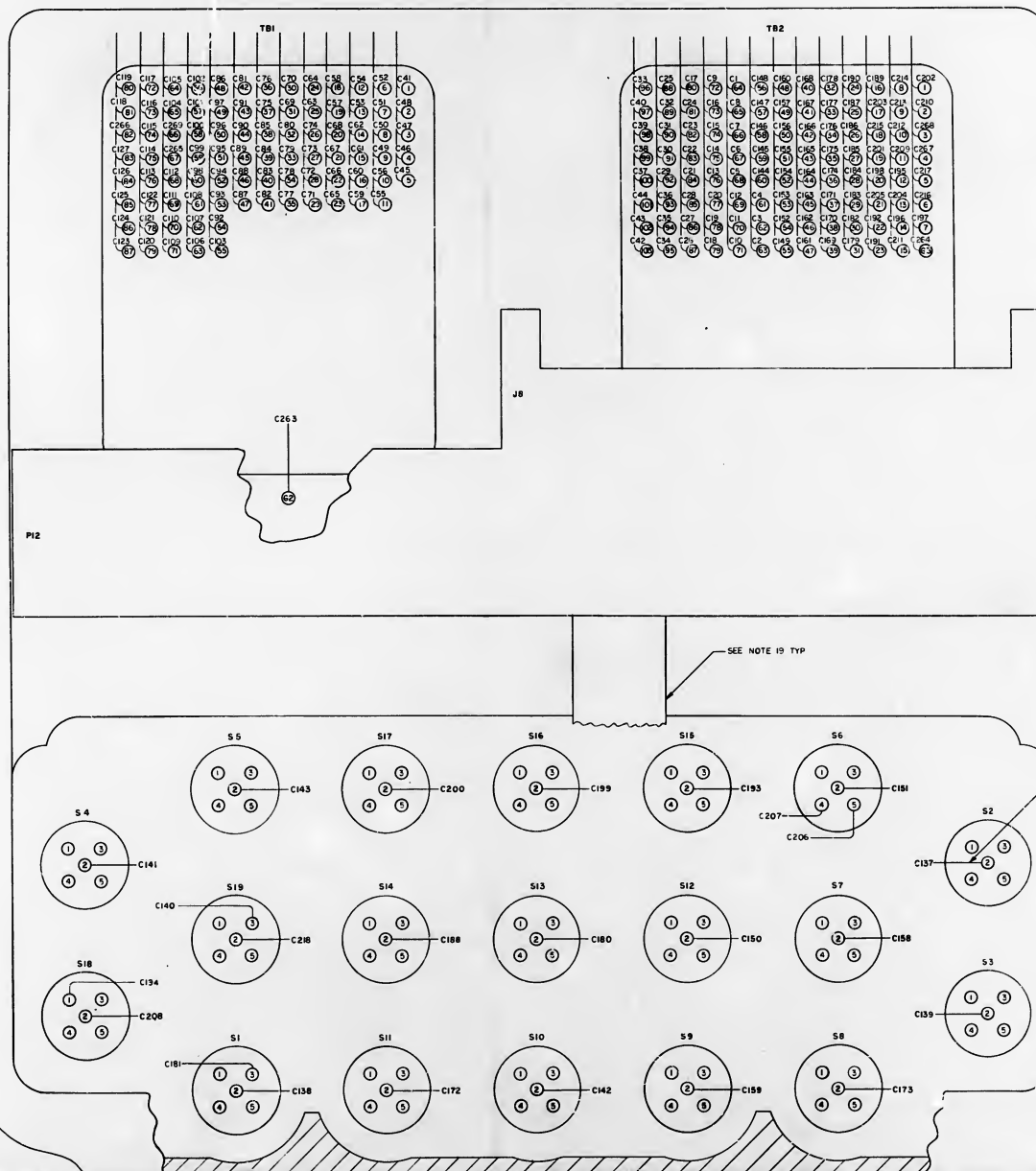
QTY REQD	EST OR PLANTING NO	VENUE/LATURE OR DESCRIPTION	FIND NO
EXT OF MATERIALS			
INSTRUMENTATION LAB EXTENSION			
MANNED SPACECRAFT CENTER HOUSTON TEXAS			
AGC DSKY OUTLINE DRAWING			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES DO NOT SCALE THIS DRAWING MATERIAL		NESA APPROVAL CODE DENT NO 80230 J SCALE 1/16	
NEXT ASSY USED ON APPLICATION		NESA DRAWING NO 2003906 SHEET 1 OF 1	



- NOTES
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-OT-70327
2. MOUNTING TORQUE FOR FINE NO 24 TO BE 2.5 TO 3.0 FT-LBS
3. IDENTIFY WITH PART NO. PER NDI020209
4. ENCAPSULATE INDICATED AREAS PER NDI002236
5. SOLDER PER NO I002071 USING SOLDER PER NDI002075
6. WELD PER NDI002005
7. AR DENOTES AS REQUIRED
8. BOND FINE NO 32-33, 40 & 41 TO FINE NO 39 PER NDI002009, METHOD C
9. DRESS AND TRIM AT ASSEMBLY USING FINE NO. 34
10. SEAL FINE NO. 37 TO FINE NO. PER NDI002019 TYPE II
11. APPLY FINE NO. 36 TO INDICATED AREAS OF FINE NO. 2.
12. DO NOT APPLY TO ROUNDED RUBBER
13. MARK 20/40 HORN BLACK CHARACTERS PER NDI002019 AND NDI002122
14. TYPE II CLASS 2 USING MARKING INK I00271-1
15. MOUNTING TORQUE FOR FINE NO. 37 TO BE 15-20 INCH OUNCES
16. SEAL INSULATORS ON FINE NO. 4 PER NDI002187 TYPE II
17. MOUNTING TORQUE FOR FINE NO. 28 TO BE 4.5-4.5 INCH POUNDS
18. MOUNTING TORQUE FOR FINE NO. 28 AND FINE NO. 29 TO BE 8 TO 9 INCH POUNDS
19. ENCAPSULATE INDICATED AREA PER NDI002295, EXCEPT CURE AT 155±5°F FOR 2 HOURS MINIMUM
20. BOND FINE NO 33 TO FINE NO. PER NDI002004, TYPE II
21. BOND FINE NO 33, 39 AND 40 TO FINE NO. PER NDI002009, METHOD C
22. THIS ASSEMBLY NOT TO EXCEED 160°F IN MANUFACTURING PROCESS

ITEM	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	2003894-011	1	PCB	1.00	1.00
2	191	1	PCB	1.00	1.00
3	171	1	PCB	1.00	1.00
4	161	1	PCB	1.00	1.00
5	151	1	PCB	1.00	1.00
6	141	1	PCB	1.00	1.00
7	131	1	PCB	1.00	1.00
8	121	1	PCB	1.00	1.00
9	111	1	PCB	1.00	1.00
10	091	1	PCB	1.00	1.00
11	081	1	PCB	1.00	1.00
12	071	1	PCB	1.00	1.00
13	061	1	PCB	1.00	1.00
14	051	1	PCB	1.00	1.00
15	041	1	PCB	1.00	1.00
16	031	1	PCB	1.00	1.00
17	021	1	PCB	1.00	1.00
18	011	1	PCB	1.00	1.00
19	2003894-011	1	PCB	1.00	1.00
20	191	1	PCB	1.00	1.00
21	171	1	PCB	1.00	1.00
22	161	1	PCB	1.00	1.00
23	151	1	PCB	1.00	1.00
24	141	1	PCB	1.00	1.00
25	131	1	PCB	1.00	1.00
26	121	1	PCB	1.00	1.00
27	111	1	PCB	1.00	1.00
28	091	1	PCB	1.00	1.00
29	081	1	PCB	1.00	1.00
30	071	1	PCB	1.00	1.00
31	061	1	PCB	1.00	1.00
32	051	1	PCB	1.00	1.00
33	041	1	PCB	1.00	1.00
34	031	1	PCB	1.00	1.00
35	021	1	PCB	1.00	1.00
36	011	1	PCB	1.00	1.00
37	2003895-011	1	PCB	1.00	1.00
38	191	1	PCB	1.00	1.00
39	171	1	PCB	1.00	1.00
40	161	1	PCB	1.00	1.00
41	151	1	PCB	1.00	1.00
42	141	1	PCB	1.00	1.00
43	131	1	PCB	1.00	1.00
44	121	1	PCB	1.00	1.00
45	111	1	PCB	1.00	1.00
46	091	1	PCB	1.00	1.00
47	081	1	PCB	1.00	1.00
48	071	1	PCB	1.00	1.00
49	061	1	PCB	1.00	1.00
50	051	1	PCB	1.00	1.00
51	041	1	PCB	1.00	1.00
52	031	1	PCB	1.00	1.00
53	021	1	PCB	1.00	1.00
54	011	1	PCB	1.00	1.00
55	2003896-011	1	PCB	1.00	1.00
56	191	1	PCB	1.00	1.00
57	171	1	PCB	1.00	1.00
58	161	1	PCB	1.00	1.00
59	151	1	PCB	1.00	1.00
60	141	1	PCB	1.00	1.00
61	131	1	PCB	1.00	1.00
62	121	1	PCB	1.00	1.00
63	111	1	PCB	1.00	1.00
64	091	1	PCB	1.00	1.00
65	081	1	PCB	1.00	1.00
66	071	1	PCB	1.00	1.00
67	061	1	PCB	1.00	1.00
68	051	1	PCB	1.00	1.00

[illegible][illegible]



2003949 G

SH 2 / 2

2003949 G

F 1 / 2

LEAD ELECTRICAL

COND IDENT	REMARKS	FROM	FIND NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS
C1		P12-131	32	WHT	26	AR	TB2-64	
C2							TB2-63	
C3							TB2-62	
C4							TB2-61	
C5							TB2-60	
C6							TB2-59	
C7							TB2-58	
C8							TB2-57	
C9							TB2-56	
C10							TB2-55	
C11							TB2-54	
C12							TB2-53	
C13							TB2-52	
C14							TB2-51	
C15							TB2-50	
C16							TB2-49	
C17							TB2-48	
C18							TB2-47	
C19							TB2-46	
C20							TB2-45	
C21							TB2-44	
C22							TB2-43	
C23							TB2-42	
C24							TB2-41	
C25							TB2-40	
C26							TB2-39	
C27							TB2-38	
C28							TB2-37	
C29							TB2-36	
C30							TB2-35	
C31							TB2-34	
C32							TB2-33	
C33							TB2-32	
C34							TB2-31	
C35							TB2-30	
C36							TB2-29	
C37							TB2-28	
C38							TB2-27	
C39							TB2-26	
C40							TB2-25	
C41							TB2-24	
C42							TB2-23	
C43							TB2-22	
C44							TB2-21	
C45							TB2-20	
C46							TB2-19	
C47							TB2-18	
C48							TB2-17	
C49							TB2-16	
C50							TB2-15	
C51							TB2-14	
C52							TB2-13	
C53							TB2-12	
C54							TB2-11	
C55							TB2-10	
C56							TB2-9	
C57							TB2-8	
C58							TB2-7	
C59							TB2-6	
C60							TB2-5	
C61							TB2-4	
C62							TB2-3	
C63							TB2-2	
C64							TB2-1	
C65							TB2-0	
C66							TB2-0	
C67							TB2-0	
C68							TB2-0	
C69							TB2-0	
C70							TB2-0	
C71							TB2-0	
C72							TB2-0	
C73							TB2-0	
C74							TB2-0	
C75							TB2-0	
C76							TB2-0	
C77							TB2-0	
C78							TB2-0	
C79							TB2-0	
C80							TB2-0	
C81							TB2-0	
C82							TB2-0	
C83							TB2-0	
C84							TB2-0	
C85							TB2-0	
C86							TB2-0	
C87							TB2-0	
C88							TB2-0	

LEAD ELECTRICAL

COND IDENT	REMARKS	FROM	FIND NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS
C89		P12-46	32	WHT	26	AR	TB1-45	
C90							TB1-44	
C91							TB1-43	
C92							TB1-42	
C93							TB1-41	
C94							TB1-40	
C95							TB1-39	
C96							TB1-38	
C97							TB1-37	
C98							TB1-36	
C99							TB1-35	
C100							TB1-34	
C101							TB1-33	
C102							TB1-32	
C103							TB1-31	
C104							TB1-30	
C105							TB1-29	
C106							TB1-28	
C107							TB1-27	
C108							TB1-26	
C109							TB1-25	
C110							TB1-24	
C111							TB1-23	
C112							TB1-22	
C113							TB1-21	
C114							TB1-20	
C115							TB1-19	
C116							TB1-18	
C117							TB1-17	
C118							TB1-16	
C119							TB1-15	
C120							TB1-14	
C121							TB1-13	
C122							TB1-12	
C123							TB1-11	
C124							TB1-10	
C125							TB1-9	
C126							TB1-8	
C127							TB1-7	
C128							TB1-6	
C129							TB1-5	
C130							TB1-4	
C131							TB1-3	
C132							TB1-2	
C133							TB1-1	
C134							TB1-0	
C135							TB1-0	
C136							TB1-0	
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C147							TB1-0	
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C151							TB1-0	
C152							TB1-0	
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C170							TB1-0	
C171							TB1-0	
C172							TB1-0	
C173							TB1-0	
C174							TB1-0	
C175							TB1-0	
C176							TB1-0	

LEAD ELECTRICAL

COND IDENT	REMARKS	FROM	FIND NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS
C177		P12-162	32	WHT	26	AR	TB2-33	
C178	SEE NOTE 6	P12-163	32				TB2-32	SEE NOTE 6
C179		P12-164	32				TB2-31	
C180	SEE NOTE 5	J8-20	33				S13-2	SEE NOTE 5
C181		J8-21	33				S13-3	
C182		P12-165	32				TB2-30	
C183		J8-22	33				TB2-29	
C184	SEE NOTE 6	J8-23	33				TB2-28	SEE NOTE 6
C185		J8-24	33				TB2-27	
C186		J8-25	33				TB2-26	
C187	SEE NOTE 5	P12-170	32				TB1-25	SEE NOTE 5
C188		P12-171	32				S14-2	
C189		P12-180	32				TB1-10	
C190	SEE NOTE 6	J8-174	33				J8-23	SEE NOTE 6
C191		J8-175	33				J8-23	
C192		P12-176	32				TB2-22	
C193	SEE NOTE 5	J8-234	33				S15-2	SEE NOTE 5
C194		J8-225	33				S16-1	
C195		P12-190	32				TB2-12	
C196	SEE NOTE 6	J8-152	33				J8-14	SEE NOTE 6
C197		J8-204	33				J8-7	
C198		P12-182	32				TB2-20	
C199	SEE NOTE 5	J8-26	33				S16-2	SEE NOTE 5
C200		J8-27	33				S17-2	
C201		P12-183	32				TB2-19	
C202	SEE NOTE 6	J8-129	33				J8-1	SEE NOTE 6
C203		J8-117	33				J8-13	
C204		J8-199	32				J8-17	
C205		J8-18	32	WHT			TB2-11	
C206	SEE NOTE 5	J8-193	40	ORH			TB2-10	SEE NOTE 5
C207		P12-194	38	RED			S16-4	
C208		J8-350	23	WHT			TB2-11	
C209		P12-197	32	WHT			TB2-11	
C210		J8-209	40				J8-2	
C211	SEE NOTE 6	J8-201	33				J8-18	SEE NOTE 6
C212		J8-202	33				J8-19	
C213		J8-203	33				J8-18	
C214		J8-196	33				J8-16	
C215		J8-207	40				J8-8	
C216		J8-208	32	WHT			TB2-5	
C217		P12-179	33	WHT			S10-2	
C218		S1-1	35	VEL			S12-3	
C219		S1-2	35				S12-3	
C220		S1-3	35				S12-3	
C221		S1-4	35				S12-3	
C222		S1-5	35				S12-3	
C223		S1-6	35				S12-3	
C224		S1-7	35				S12-3	
C225		S1-8	35				S12-3	
C226		S1-9	35				S12-3	
C227		S1-10	35				S12-3	
C228		S1-11	35				S12-3	
C229		S1-12	35				S12-3	
C230		S1-13	35				S12-3	
C231	SEE NOTE 5	S1-14	35	ORH			S12-3	SEE NOTE 5
C232		S1-15	35	VEL			S12-3	
C233		S1-16	35	ORH			S12-3	
C234		S1-17	35	ORH			S12-3	
C235		S1-18	35	ORH			S12-3	
C236		S1-19	35	ORH			S12-3	
C237		S1-20	35	ORH			S12-3	
C238		S1-21	35	ORH			S12-3	
C239		S1-22	35	ORH			S12-3	
C240		S1-23	35	ORH			S12-3	
C241		S1-24	35	ORH			S12-3	
C242		S1-25	35	ORH			S12-3	
C243		S1-26	35	ORH			S12-3	
C244		S1-27	35	ORH			S12-3	
C245		S1-28	35	ORH			S12-3	
C246		S1-29	35	ORH			S12-3	
C247		S1-30	35	ORH			S12-3	
C248		S1-31	35	ORH			S12-3	
C249		S1-32	35	ORH			S12-3	
C250		S1-33	35	ORH			S12-3	
C251		S1-34	35	ORH			S12-3	
C252		S1-35	35	ORH			S12-3	
C253		S1-36	35	ORH			S12-3	
C254		S1-37	35	ORH			S12-3	
C255		S1-38	35	ORH			S12-3	
C256		S1-39	35	ORH			S12-3	
C257		S1-40	35	ORH			S12-3	
C258		S1-41	35	ORH			S12-3	
C259		S1-42	35	ORH			S12-3	
C260		S1-43	35	ORH			S12-3	
C261		S1-44	35	ORH			S12-3	
C262		S1-45	35	ORH			S12-3	
C263	SEE NOTE 6	P12-181	32				TB2-21	SEE NOTE 6
C264	SEE NOTE 6	P12-183	41				TB2-21	SEE NOTE 6
C265		P12-200	32				TB2-21	
C266	SEE NOTE 6	P12-179	32				TB2-21	SEE NOTE 6
C267		P12-180	32				TB2-21	
C268		P12-181	32				TB2-21	
C269		P12-182	32				TB2-21	

	DATE	DESCRIPTION	AMOUNT	BALANCE
A		REVISED PER TOAR 26656	12.00	40.00
B		REVISED PER TOAR 27913	12.00	52.00
C		REVISED PER TOAR 26178	12.00	64.00
D		REVISED PER TOAR 29705	12.00	76.00
E		REVISED PER TOAR 32520	12.00	88.00
F		REVISED PER TOAR 33394	12.00	100.00
G		REVISED PER TOAR 34426	12.00	112.00

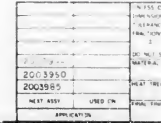
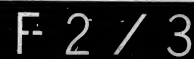
ELECTRICAL				REMARKS
FIELD NO.	DATE	BY	TEMP. °C	
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			TD: 4.0	
			TD: 3.9	
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			TD: 1.1	
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			TD: -4.6	
			TD: -4.7	
			TD: -4.8	

LEAD ELECTRICAL									
COND IDENT	REMARKS	FROM	FIND NO	COLOR	SIZE AWG	LENGTH	TO	REMARKS	
C89		P12-46	32	WHT	6	AP	T81-45		
C90		P-47					T81-44		
C91		P12-48	32	WHT	6	AP	T81-43		
C92		-37					T81-54		
C93		-38					T81-53		
C94		P12-39	32	WHT	6	AP	T81-52		
C95		-40					T81-51		
C96		-41					T81-50		
C97		P12-42	32	WHT	6	AP	T81-49		
C98		-31					T81-60		
C99		-32					T81-59		
C100		-33					T81-58		
C101		-34					T81-57		
C102		-35					T81-56		
C103		-36					T81-55		
C104		-25					T81-65		
C105		-27					T81-64		
C106		-28					T81-63		
C107	SEE NOTE 6	-29					T81-62	SEE NOTE 6	
C108		-30					T81-61		
C109		-21					T81-71		
C110		-22					T81-70		
C111		-23					T81-69		
C112		-24					T81-68		
C113		-25					T81-78		
C114		-15					T81-79		
C115		-16					T81-74		
C116		-17					T81-73		
C117		-18					T81-72		
C118		-19					T81-81		
C119		-20					T81-80		
C120		-10					T81-79		
C121		-11					T81-78		
C122		-12					T81-77		
C123		-1					T81-87		
C124		-3					T81-86		
C125		-4					T81-85		
C126		-5					T81-84		
C127		P12-6	32	WHT	6	AP	T81-83		
C128		P12-7	32	WHT	6	AP	T81-82		
C129		S5-4	38	RED			S19-5		
C130		S5-5	40	ORN			S19-5		
C131		S19-4	38	RED			S1-6		
C132		S19-5	40	ORN			S1-5		
C133		S19-4	38	RED			S1-6		
C134		S19-4	40	ORN			S19-5		
C135	SEE NOTE 5	S1-5	18	RED			S4-4	SEE NOTE 5	
C136		S1-6	40	ORN			S1-6		
C137		J8-3	33	WHT	6	AP	S2-2		
C138		K-5					S1-2		
C139		-18					S19-5		
C140		-19					S4-2		
C141		-10					S4-2		
C142		-11					S19-2		
C143		J8-13	33				S5-2		
C144		P12-135	32				T82-60		
C145		P12-136	32				T82-59		
C146		-137					T82-58		
C147	SEE NOTE 6	-138					T82-57	SEE NOTE 6	
C148		P-139					T82-56		
C149		P12-140	32				T82-55		
C150	SEE NOTE 5	J8-14	33				S4-2		
C151		J8-15	33				S4-2	SEE NOTE 5	
C152		P12-141	32				T82-54		
C153		K-142					T82-53		
C154	SEE NOTE 6	-143					T82-52	SEE NOTE 6	
C155		-144					T82-51		
C156		P-145					T82-50		
C157		P12-146	32				T82-49		
C158	SEE NOTE 5	J8-16	33				S2-2	SEE NOTE 5	
C159		J8-17	33				S2-2		
C160		P12-147	32				T82-48		
C161		P-148					-47		
C162		-149					-46		
C163		-150					-45		
C164		-151					-44		
C165		-152					-43		
C166	SEE NOTE 6	-153					-42	SEE NOTE 6	
C167		-154					-41		
C168		-155					-40		
C169		-156					-39		
C170		K-157					T82-38		
C171		P12-158	32				T82-37		
C172	SEE NOTE 5	J8-18	33				S12-2	SEE NOTE 5	
C173		J8-19	33				S8-3		
C174		P12-159	32				T82-36		
C175	SEE NOTE 6	P12-160	32	WHT	26	AP	T82-35	SEE NOTE 6	

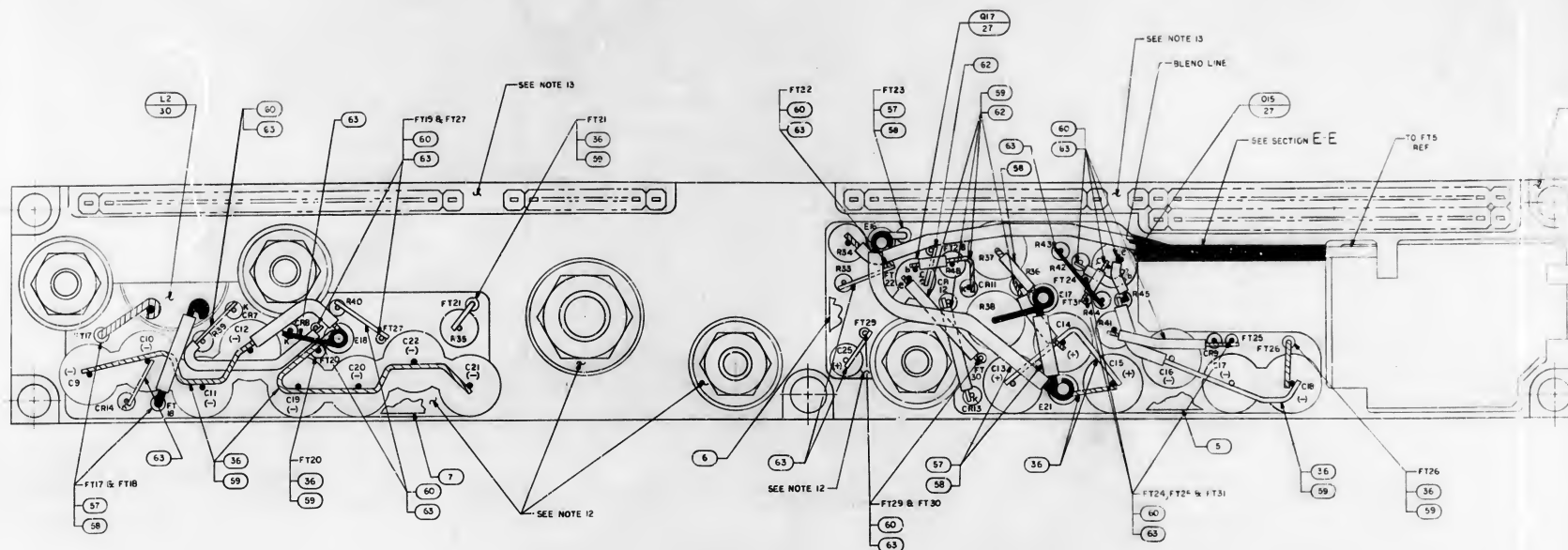
LEAD ELECTRICAL									
COND IDENT	REMARKS	FROM	FINO NO	COLOR	SIZE AWG	LENGTH	TO	REMARKS	
C177		P12-162	32	WHT	26		T82-33		
C178	SEE NOTE 6	P12-163	32				T82-32	SEE NOTE 6	
C179		P12-164	32	WHT	26		T82-31		
C180	SEE NOTE 5	J18-20	33				S13-2	SEE NOTE 5	
C181		J18-21	33				S13-1		
C182		P12-165	32				T82-30		
C183		"-166					"-29		
C184	SEE NOTE 6	"-167					"-28	SEE NOTE 6	
C185		"-168					"-27		
C186		"-169					"-26		
C187		P12-170	32				T82-23		
C188	SEE NOTE 5	J18-22	33				S13-3	SEE NOTE 5	
C189		P12-170	32				T82-16		
C190		J18-23	33				S13-4		
C191	SEE NOTE 6	J18-24	33				"-23	SEE NOTE 6	
C192		P12-176	32				T82-22		
C193		J18-25	33				S13-2		
C194	SEE NOTE 5	J18-25	33				S13-1	SEE NOTE 5	
C195		P12-196	32				T82-12		
C196		J18-26	33				S13-14		
C197	SEE NOTE 6	J18-27	33				"-7	SEE NOTE 6	
C198		P12-192	32				T82-20		
C199		J18-28	33				S13-3		
C200	SEE NOTE 5	J18-27	33				S13-2	SEE NOTE 5	
C201		P12-193	32				T82-19		
C202		J18-29	33				S13-1		
C203	SEE NOTE 6	"-187					"-17	SEE NOTE 6	
C204		"-190					"-15		
C205		"-192					"-13		
C206	SEE NOTE 8	"-193	60	ORN			S4-5	SEE NOTE 8	
C207		P12-194	38	RED			S13-5	SEE NOTE 5	
C208		J18-30	33				S13-2		
C209		P12-197	32	WHT			T82-11		
C210		"-209					"-2		
C211		"-210					"-15		
C212	SEE NOTE 6	"-201					"-10	SEE NOTE 6	
C213		"-204					"-9		
C214		"-203					"-8		
C215		"-186					"-18		
C216		"-207					"-13		
C217		P12-198	32	WHT			T82-5		
C218		P12-179	33	WHT			S13-2		
C219		S1-1	35	YEL			S2-3		
C220		S1-1	35				S2-3		
C221		S1-1	35				S4-3		
C222		S4-1					S13-3		
C223		S4-1					S6-3		
C224		S4-1					S7-3		
C225		S1-1					S8-3		
C226		S4-1					S9-3		
C227		S9-1					S10-3		
C228		S10-1					S11-3		
C229		S11-1					S12-3		
C230		S12-1					S13-3		
C231		S13-1					S14-3		
C232		S14-1					S15-3		
C233		S15-1	5				S16-3		
C234	SEE NOTE 5	P12-174	40	ORN			S2-4	SEE NOTE 5	
C235		P12-175	60	ORN			S5-5		
C236		S4-2	30	RED			S2-4		
C237		S1-2	40	ORN			S2-4		
C238		S2-2	38	ORN			S2-4		
C239		S2-3	40	ORN			S13-5		
C240		S1-2	38	RED			S13-5	SEE NOTE 5	
C241		S1-3	40	ORN			S3-5		
C242		S4-2	38	RED			S8-5		
C243		S13-2	40	ORN			S9-5		
C244		S8-2	38	RED			S9-5		
C245		S4-2	40	ORN			S9-5		
C246		S9-2	38	RED			S2-4		
C247		S9-3	40	ORN			S2-4		
C248		S4-2	38	RED			S2-4		
C249		S4-2	40	ORN			S6-5		
C250		S9-4	38	RED			S6-4		
C251		S5-3	40	ORN			S4-5		
C252		S6-3	38	RED			S4-4		
C253		S6-3	40	ORN			S4-5		
C254	SEE NOTE 6	P12-183	41				S11-6	SEE NOTE 6	
C255		P12-184	32	WHT	26		T82-32		
C256	SEE NOTE 6	P12-185	32	WHT	26		T82-31	SEE NOTE 6	
C257		P12-177	32	WHT	26		T82-30		
C258		P12-178	32	WHT	26		T82-29		
C259		P12-179	32	WHT	26		T82-28		
C260		P12-180	32	WHT	26		T82-27		
C261		S4-5	5				S17-5		
C262		S1-3	36	YEL	32		S1-6		
C263	SEE NOTE 6	P12-184	32	WHT	26		T82-32	SEE NOTE 6	
C264	SEE NOTE 6	P12-183	41				T82-31	SEE NOTE 6	
C265		P12-180	32	WHT	26		T82-27		
C266	SEE NOTE 6	P12-179	32	WHT	26		T82-28	SEE NOTE 6	
C267		P12-177	32	WHT	26		T82-29		
C268		P12-178	32	WHT	26		T82-30		

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2003952	F
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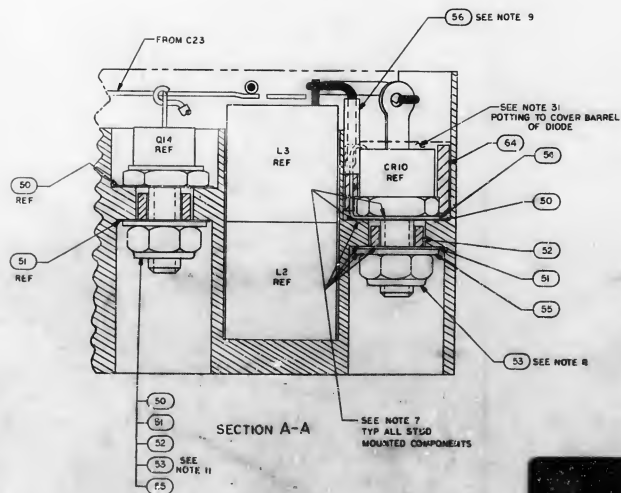
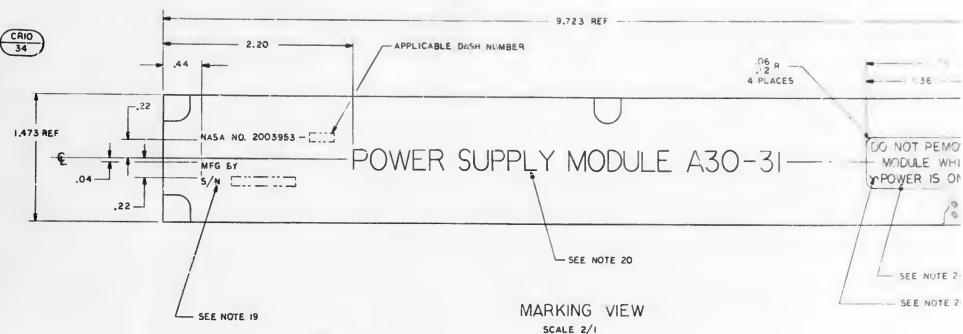
NET APPROVAL: [Signature] SCALE: 2:1 WT: SHEET 1 OF 1



NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-1000
2. WELD PER ND1002009
3. UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH ND1002009
4. SOLDER PER ND1002071 USING SOLDER COMP 5N60 FORM WIRE SOLID PER ND1002075 EXCEPT AS SHOWN
5. K DENOTES CATHODE SIDE OF DIODE
6. AN DENOTES AS REQUIRED
7. APPLY SILICONE GREASE, 1006879, TO INDICATED AREAS OF CR6, CR10, Q12, Q14 AND Q18
8. MOUNTING TORQUE FOR CR6 AND CR10 TO BE 25/30 INCH POUNDS
9. FIND NO. 56 TO COVER SOLDER JOINT OF FIND NO. 36 AND FIND NO. 54
10. MOUNTING TORQUE FOR Q12 TO BE 15/30 INCH POUNDS
11. MOUNTING TORQUE FOR Q14 AND Q18 TO BE 15/16 INCH POUNDS
12. ENCAPSULATE PER ND1002002, REMOVE FLASHING
13. INDICATED AREAS TO BE FREE OF ENCAPSULATION
14. STAKE FIND NO. 110119, 2223, 2720 THRU 3516, 36 PER ND1002009 METHOD C OR D
15. F* DENOTES FEED THRU
16. + DENOTES POSITIVE SIDE OF CAPACITOR
17. SEAL INSULATORS, CONTACTS AND FIND NO. 61 TO HEADER PER ND1002004, TYPE XI
18. E DENOTES STAND-OFF
19. MARK 10/08 HIGH WHITE CHARACTERS PER ND1002019 AND ND1002122 TYPE II, CLASS 2
20. MARK 26/24 HIGH WHITE CHARACTERS PER ND1002019 AND ND1002122 TYPE II, CLASS 2 USING INK 1006271-1
21. BLACK DOT & CROSS HATCHED WIRING INDICATES UPPER LEVEL WIRING
22. BLACK DOT & SOLID BLACK WIRING INDICATES SPECIAL LEVEL WIRING
23. WHITE DOT & CLEAR WIRING INDICATES LOWER LEVEL WIRING
24. MOUNTING TORQUE FOR FIND NO. 61 TO BE 15/20 INCH OUNCES
25. ENCAPSULATE FIND NO. 2 IN FIND NO. 1 TO DIM. SHOWN PER ND1002009, METHOD F
26. THE VALUE OF THE FOLLOWING COMPONENTS TO BE DETERMINED AT ELECTRICAL TEST. R1 AND R2 TO BE SELECTED FROM APPROPRIATE CHART
27. STAKE WIRE IN PLACE PER ND1002004, TYPE XI
28. BACKGROUND TO BE RED USING MARKING INK 1006271-9
29. MARK 10/08 HIGH WHITE PER ND1002019 & ND1002122 TYPE II, CLASS 2, USING INK 1006271-1 CENTRALIZE AS SHOWN
30. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL REQUIREMENTS OF P52003953
31. ENCAPSULATE FIND NO. 34 TO FIND NO. 1 PER ND1002009, METHOD J
32. SEAL BOTTOM OF FIND NO. 2 PER ND1002009, METHOD C OR D PRIOR TO ENCAPSULATION PER NOTE 25
33. BOND FIND NO. 43 TO FIND NO. 1 PER ND1002004, TYPE XI

R1 AND R2	
PART NO.	VALUE
1006750-1	51
2	56
3	63
4	68
5	75
6	82
7	91
8	100
9	110
10	120
11	130
12	150
13	160
14	180
15	200
16	220
17	240
18	270
19	300
20	330
21	360
22	390
23	430
24	470
1006750-25	510



F-3/4

2003953	F
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— SEE NOTE 7
TYP ALL STUD
MOUNTED COMPONENTS

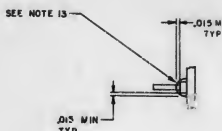
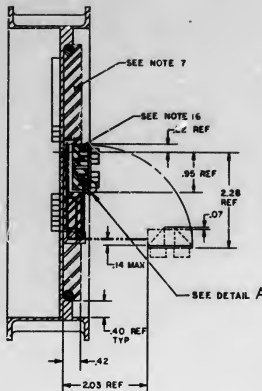
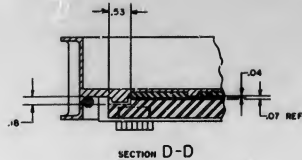
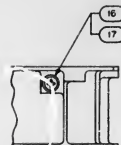
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2005916	SCHEMATIC	REF
1 2004908	SLEEVE, THERMAL	64
AR 1006797-13	WIRE, ELEC.	64
2 1006797-13	WIRE, ELEC.	64
3 2004039	TERMINAL, THREADED	61
AR 1006776-22	INSULATION, SLEEVING	56
AR 1006780-20	INSULATION, SLEEVING	56
AR 1006776-48	INSULATION, SLEEVING	56
AR 90W 343, TYPE 5, B	WIRE, ELEC.	57
4 1006776-30	INSULATION, SLEEVING	56
4 1006776-2	WASHER, FLAT	55
2 2006015	TERMINAL, LOS	54
2 1006018-13	NUT, HEX, SELF-LOCKING	53
4 F06025-5	BUSHING, INSULATOR	52
4 1006004-1	WASHER, INSULATOR	51
4 1006024-2	WASHER, INSULATOR	51
1 M521083B9	NUT, HEX, SELF-LOCKING	49
1 1006017-7	WASHER, FLAT	49
1 1006020-3	BUSHING, INSULATOR	47
1 1006024-5	WASHER, INSULATOR	47
1 1006024-6	WASHER, INSULATOR	47
2 1006494-003	WASHER, FLAT	44
16 1067008	TERMINAL, STUD	43
4 10067073	SCREW, CAPTIVE	33
4 M51633-506	RING, RETAINING, EXTERNAL E	41
4 2004984-001	WASHER, FLAT	40
4 10067073	SCREW, CAPTIVE	33
1 1006304-003	RELAY	38
AR 1006787-21	WIRE, ELEC.	38
1 2006837	SCREW, ION LIST	35
1 1006825	DIE, DICE	35
1 1006716-001	DIOXIDE	32
3 10067403-001	DIOXIDE	32
1 1006528	INDUCTOR	30
3 1006327	INDUCTOR	30
3 2004004-002	TRANSISTOR, POTTED	29
1 1006333-001	TRANSISTOR	29
1 1006404-001	TRANSISTOR, POT	27
1 1006317-001	TRANSISTOR	27
1 1006315-106	CAPACITOR	24
1 1006315-79	CAPACITOR	24
1 1006315-134	CAPACITOR	23
6 1006315-85	CAPACITOR	23
1 1006750-49	RESISTOR	20
2 1006315-002	RESISTOR	20
1 1006604-50	RESISTOR	18
1 1006393-23	RESISTOR	17
1 1006393-113	RESISTOR	17
1 1006393-91	RESISTOR	15
1 1006740-32	RESISTOR	14
1 1006750-43	RESISTOR	12
1 1006750-39	RESISTOR	10
3 1006750-15	RESISTOR	11
1 1006750-1	RESISTOR	9
1 SFE NOTE 26		
1 SEE NOTE 26	RESISTOR	
2 2004981	INSULATOR D	6
2 1006490-002	INSULATOR G	5
2 1006490-001	INSULATOR C	5
2 2004981	INSULATOR B	4
2 2004983	INSULATOR A	3
1 1006750-021	CONDUCT, CIRCUIT SUP ASSY	2
1 2006057-021	HEADER, HOUSING ASSY	1

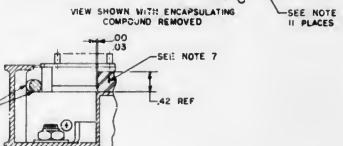
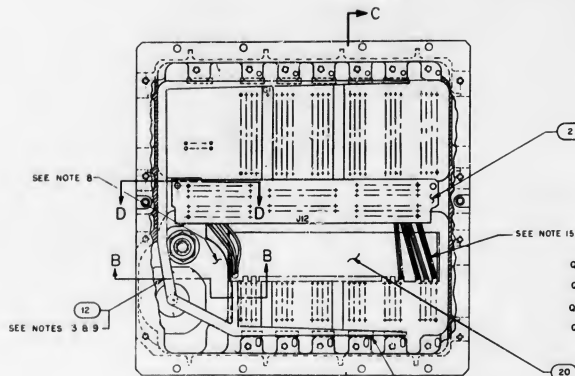
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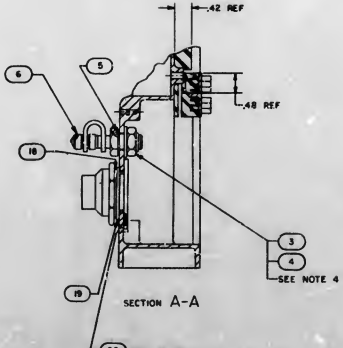
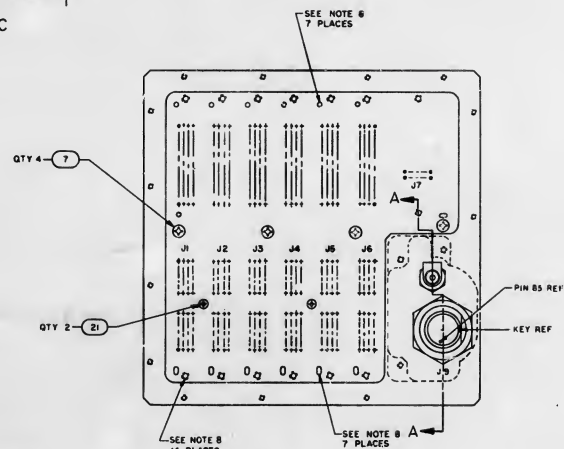


DETAIL A
TYP
SCALE 4/1



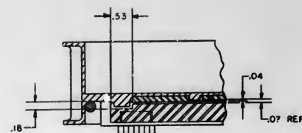
SECTION B-B

- QTY 2 (8)
- QTY 2 (9)
- QTY 2 (10)
- QTY 2 (11)

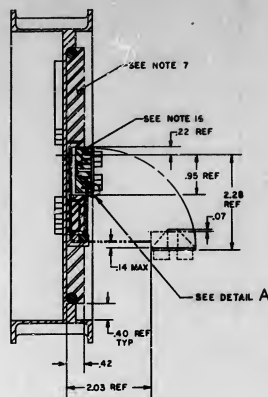


- NOTES
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-STD-70527
 2. IDENTIFY WITH PART NO. PER HQ002019
 3. SOLDER LEADS OF FINO NO. 12 PER ND1002071 USING SOLDER PER ND1002075
 4. MOUNTING TORQUE FOR FINO NO. 3 TO BE 10 TO 11 FT-LBS
 5. AN DENOTES AS REQUIRED
 6. BOND FINO NO. 12 TO FINO NO. 1 PER ND1002008 METHOD C IN AREAS INDICATED
 7. ENCAPSULATE INDICATED AREAS PER ND1002255
 8. INDICATED AREA AND HOLES TO BE FREE FROM ENCAPSULATING COMPOUND
 9. MOUNTING TORQUE FOR CONNECTOR OF FINO NO. 12 TO BE 20 TO 25 FT LBS
 10. WIRE USING LEAD ELECTRICAL 6 PER ND1002031
 11. EXCEPT FINO NO. 10 HAVE 5 TO 6 TURNS OF UNINSULATED WIRE, 1/2 TO 1 1/2 TURNS UNINSULATED WIRE, STRIP LENGTH OF 1.18 TO 1.00, AND STRIP FORCE OF 5 LB IN.
 12. INDICATED AREAS TO BE FREE OF WIRES AND ENCAPSULATING COMPOUND TO THE LEVEL OF SURFACE A
 13. DISCARD VENDOR SUPPLIED O RING AND REPLACE WITH FINO NO. 22
 14. SEAL INSULATORS ON FINO NO. 2 PER ND1002004 TYPE XI
 15. COLOR OF FINO NO. 14 IS TO BE RED
 16. BOND WIRES OF FINO NO. 12 & FINO NO. 14 & 15 TO FINO NO. 20 PER ND1002008 METHOD C
 17. ENCAPSULATE PER ND1002236
 18. WELD PER ND1002005

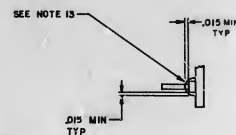
2005953	
1	1000159-1
2	MS15159-1
3	2004927
4	1004546-1
5	1004546-2
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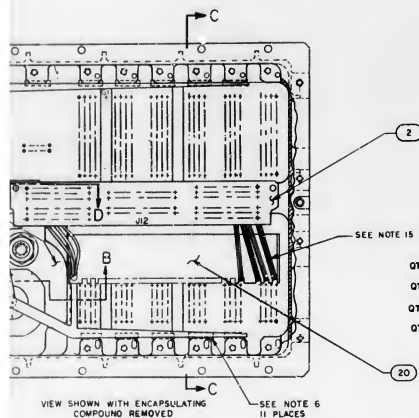
SECTION D-D



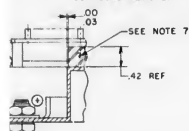
SECTION C-C



DETAIL A
TYP
SCALE 4/1



VIEW SHOWN WITH ENCAPSULATING
COMPOUND REMOVED



TION B-B

WITH STANDARDS

ND 002071 USING SOLOER PER ND002075

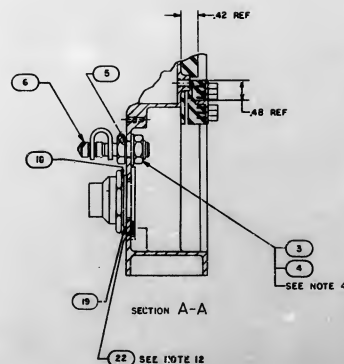
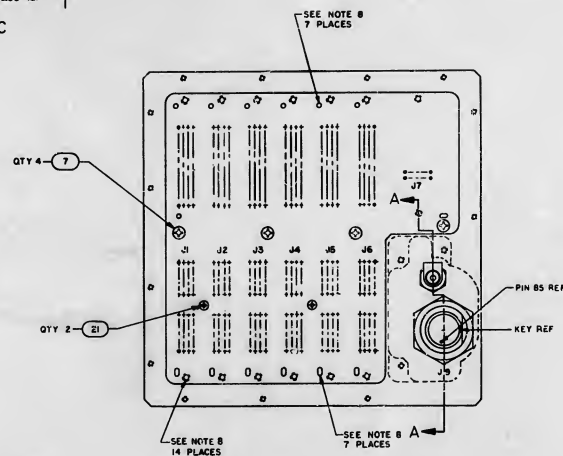
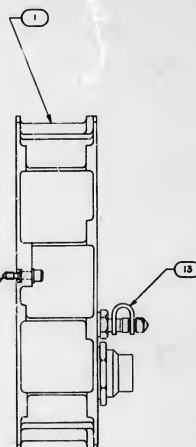
R N0100200 METHOD C

FREE FROM ENCAPSULATING COMPOUND
R OF FIND NO. 12 TO BE 20 TO 25 FT LBS

OF UNINSULATED WIRE, 1/2 TO 1 1/2
OF 1.18 TO .00, AND STRIP FORCE

FIRES AND ENCAPSULATING
ICE A

IG AND REPLACE WITH FINO NO. 22
PER ND1002004 TYPE 37
IL
VD. 14 615 TO FINO NO. 20 PER NO1002009 METHOD C



SECTION A-A

[illegible][illegible]



5

— SURFACE A
4 PLACES
SEE NOTE 11

[illegible]

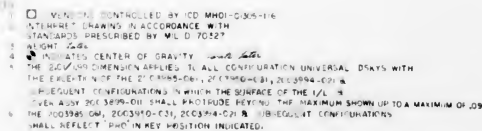
2003955

REVISIONS		REVISED PER TNR 2755K	REVISED PER TNR 27913
REVISED PER TNR 2755K		REVISED PER TNR 27913	

LEAD ELECTRICAL									
COND IDENT	REMARKS	FROM	FIND NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS	
A1		J2-156	14	BLUE	30	AR	J2-1		
A2		J2-157	14	BLUE	30	AR	J2-43		
A3		J2-160	15	WHT	26		J2-18		
A4		J2-159	14	BLUE	30		J2-26		
A5		J2-154	14	BLUE	30		J2-34		
A6		J2-153	14	BLUE	30		J2-60		
A7		J2-148	14	BLUE	30		J2-39		
A8		J2-147	15	WHT	26		J2-39		
A9		J2-142	14	BLUE	30		J2-54		
A10		J2-141	14	BLUE	30		J2-41		
A11		J2-136	14	BLUE	30		J2-29		
A12		J2-135	14	BLUE	30		J2-86		
A13		J2-187	14	BLUE	30		J2-42		
A14		J2-210	14	BLUE	30		J2-49		
A15		J2-182	15	WHT	26		J2-60		
A16		J2-204	14	BLUE	30		J2-56		
A17		J2-192	14	BLUE	30		J2-17		
A18		J2-176	14	BLUE	30		J2-36		
A19		J2-175	14	BLUE	30		J2-36		
A20		J2-174	14	BLUE	30		J2-30		
A21		J2-170	14	BLUE	30		J2-4		
A22		J2-169	14	BLUE	30		J2-24		
A23		J2-168	14	BLUE	30		J2-53		
A24		J2-164	14	BLUE	30		J2-43		
A25		J2-163	14	BLUE	30		J2-34		
A26		J2-162	14	BLUE	30		J2-36		
A27		J2-161	14	BLUE	30		J2-43		
A28		J2-158	14	BLUE	30		J2-66		
A29		J2-157	14	BLUE	30		J2-39		
A30		J2-156	14	BLUE	30		J2-24		
A31		J2-155	15	WHT	26		J2-8		
A32		J2-152	14	BLUE	30		J2-42		
A33		J2-151	14	BLUE	30		J2-40		
A34		J2-180	15	WHT	26		J2-36		
A35		J2-149	14	BLUE	30		J2-30		
A36		J2-146	14	BLUE	30		J2-5		
A37		J2-145	14	BLUE	30		J2-55		
A38		J2-144	14	BLUE	30		J2-49		
A39		J2-143	14	BLUE	30		J2-49		
A40		J2-140	14	BLUE	30		J2-64		
A41		J2-139	14	BLUE	30		J2-53		
A42		J2-138	14	BLUE	30		J2-41		
A43		J2-137	14	BLUE	30		J2-17		
A44		J2-134	15	WHT	26		J2-60		
A45		J2-133	14	BLUE	30		J2-43		
A46		J2-132	14	BLUE	30		J2-6		
A47		J2-131	14	BLUE	30		J2-84		
A48		J2-130	14	BLUE	30		J2-24		
A49		J2-129	14	BLUE	30		J2-59		
A50		J2-128	14	BLUE	30		J2-17		
A51		J2-127	14	BLUE	30		J2-63		
A52		J2-126	14	BLUE	30		J2-50		
A53		J2-125	14	BLUE	30		J2-40		
A54		J2-124	14	BLUE	30		J2-36		
A55		J2-123	14	BLUE	30		J2-78		
A56		J2-122	14	BLUE	30		J2-30		
A57		J2-121	14	BLUE	30		J2-29		
A58		J2-120	14	BLUE	30		J2-18		
A59		J2-119	14	BLUE	30		J2-70		
A60		J2-118	14	BLUE	30		J2-34		
A61		J2-117	14	BLUE	30		J2-38		
A62		J2-116	14	BLUE	30		J2-21		
A63		J2-115	14	BLUE	30		J2-76		
A64		J2-114	14	BLUE	30		J2-36		
A65		J2-113	14	BLUE	30		J2-41		
A66		J2-112	14	BLUE	30		J2-7		
A67		J2-111	14	BLUE	30		J2-42		
A68		J2-110	14	BLUE	30		J2-53		
A69		J2-109	14	BLUE	30		J2-44		
A70		J2-108	14	BLUE	30		J2-49		
A71		J2-107	14	BLUE	30		J2-70		
A72		J2-106	14	BLUE	30		J2-60		

LEAD ELECTRICAL									
COND IDENT	REMARKS	FROM	FIND NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS	
A73		J2-105	14	BLUE	30	AR	J2-58		
A74		J2-104	14	BLUE	30	AR	J2-7		
A75		J2-103	14	BLUE	30	AR	J2-78		
A76		J2-102	14	BLUE	30	AR	J2-17		
A77		J2-101	14	BLUE	30	AR	J2-24		
A78		J2-100	15	WHT	26		J2-19		
A79		J2-99	14	BLUE	30		J2-39		
A80		J2-98	14	BLUE	30		J2-40		
A81		J2-97	14	BLUE	30		J2-36		
A82		J2-96	15	WHT	26		J2-35		
A83		J2-95	14	BLUE	30		J2-24		
A84		J2-94	14	BLUE	30		J2-22		
A85		J2-93	14	BLUE	30		J2-50		
A86		J2-92	15	WHT	26		J2-8		
A87		J2-91	14	BLUE	30		J2-83		
A88		J2-90	14	BLUE	30		J2-39		
A89		J2-89	14	BLUE	30		J2-43		
A90		J2-88	15	WHT	26		J2-38		
A91		J2-87	14	BLUE	30		J2-38		
A92		J2-86	14	BLUE	30		J2-36		
A93		J2-85	14	BLUE	30		J2-34		
A94		J2-84	14	BLUE	30		J2-34		
A95		J2-83	14	BLUE	30		J2-74		
A96		J2-82	14	BLUE	30		J2-80		
A97		J2-81	14	BLUE	30		J2-59		
A98		J2-80	15	WHT	26		J2-60		
A99		J2-79	14	BLUE	30		J2-70		
A100		J2-78	14	BLUE	30		J2-41		
A101		J2-77	14	BLUE	30		J2-29		
A102		J2-76	14	BLUE	30		J2-24		
A103		J2-75	14	BLUE	30		J2-49		
A104		J2-74	14	BLUE	30		J2-79		
A105		J2-73	14	BLUE	30		J2-78		
A106		J2-72	14	BLUE	30		J2-53		
A107		J2-71	14	BLUE	30		J2-60		
A108		J2-70	15	WHT	26		J2-3		
A109		J2-69	14	BLUE	30		J2-18		
A110		J2-68	14	BLUE	30		J2-70		
A111		J2-67	14	BLUE	30		J2-84		
A112		J2-66	14	BLUE	30		J2-56		
A113		J2-65	14	BLUE	30		J2-24		
A114		J2-64	14	BLUE	30		J2-36		
A115		J2-63	15	WHT	26		J2-6		
A116		J2-62	14	BLUE	30		J2-83		
A117		J2-61	14	BLUE	30		J2-78		
A118		J2-60	14	BLUE	30		J2-80		
A119		J2-59	14	BLUE	30		J2-84		
A120		J2-58	14	BLUE	30		J2-40		
A121		J2-57	14	BLUE	30		J2-54		
A122		J2-56	14	BLUE	30		J2-82		
A123		J2-55	14	BLUE	30		J2-79		
A124		J2-54	14	BLUE	30		J2-50		
A125		J2-53	14	BLUE	30		J2-40		
A126		J2-52	14	BLUE	30		J2-43		
A127		J2-51	14	BLUE	30		J2-22		
A128		J2-50	14	BLUE	30		J2-78		
A129		J2-49	14	BLUE	30		J2-69		
A130		J2-48	14	BLUE	30		J2-49		
A131		J2-47	14	BLUE	30		J2-38		
A132		J2-46	14	BLUE	30		J2-29		
A133		J2-45	14	BLUE	30		J2-34		
A134		J2-44	14	BLUE	30		J2-83		
A135		J2-43	14	BLUE	30		J2-54		
A136		J2-42	14	BLUE	30		J2-49		
A137		J2-41	14	BLUE	30		J2-41		
A138		J2-40	14	BLUE	30		J2-7		
A139		J2-39	14	BLUE	30		J2-78		
A140		J2-38	14	BLUE	30		J2-82		
A141		J2-37	14	BLUE	30		J2-44		
A142		J2-36	14	BLUE	30		J2-24		
A143		J2-35	14	BLUE	30		J2-17		
A144		J2-34	15	WHT	26	AR	J2-6		

LEAD ELECTRICAL									
COND	IDENT	REMARKS	FROM	FIND NO.	COLOR	SIZE AWG	LENGTH	TO	REMARKS
	A145		J2-32	14	BLUE	30	AR	J2-78	
	A146		J2-31	14	BLUE	30	AR	J2-70	
	A147		J2-30	14	BLUE	30	AR	J2-36	
	A148		J2-29	14	BLUE	30	AR	J2-36	
	A149		J2-28	14	BLUE	30	AR	J2-36	
	A150		J2-27	14	BLUE	30	AR	J2-36	
	A151		J2-26	14	BLUE	30	AR	J2-36	
	A152		J2-25	14	BLUE	30	AR	J2-36	
	A153		J2-24	14	BLUE	30	AR	J2-36	
	A154		J2-23	14	BLUE	30	AR	J2-36	
	A155		J2-22	14	BLUE	30	AR	J2-36	
	A156	SEE NOTE 10	J2-21	14	BLUE	30	AR	J2-36	SEE NOTE 11
	A157		J2-20	14	BLUE	30	AR	J2-36	
	A158		J2-19	14	BLUE	30	AR	J2-36	
	A159		J2-18	14	BLUE	30	AR	J2-36	
	A160		J2-17	14	BLUE	30	AR	J2-36	
	A161		J2-16	14	BLUE	30	AR	J2-36	
	A162		J2-15	14	BLUE	30	AR	J2-36	
	A163		J2-14	14	BLUE	30	AR	J2-36	
	A164		J2-13	14	BLUE	30	AR	J2-36	
	A165		J2-12	14	BLUE	30	AR	J2-36	
	A166		J2-11	14	BLUE	30	AR	J2-36	
	A167		J2-10	14	BLUE	30	AR	J2-36	
	A168		J2-9	14	BLUE	30	AR	J2-36	
	A169		J2-8	14	BLUE	30	AR	J2-36	
	A170		J2-7	14	BLUE	30	AR	J2-36	

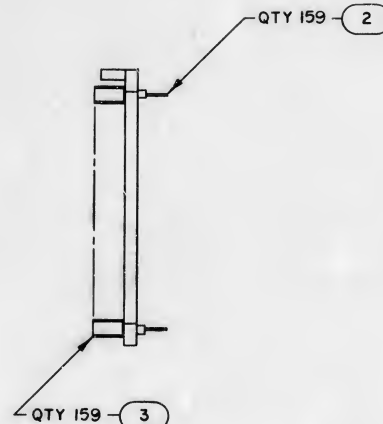
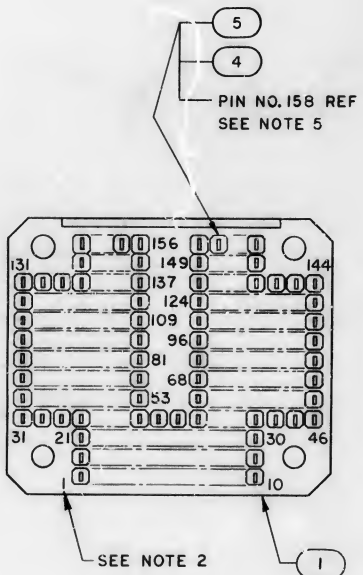


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2003957

REVISIONS 26205

SYM	ZONE	DESCRIPTION	DR	CHK	DATE	APPROVED
A		REVISED PER TDRR 27739	DR	AKB	11/2/60	[Signature]



NOTES:

- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
- MARK NEAR & FAR SIDE APPROXIMATELY WHERE SHOWN .06/.08 HIGH BLACK CHARACTERS PER ND1002019 AND ND1002122, TYPE II, CLASS 2 USING INK 1006271-11
- IDENTIFY WITH PART NO. PER ND1002019
- ASSEMBLE FIND NO. 2, 3, 4 & 5 TO FIND NO. 1 PER ND1002136
- INSTALL FIND NO. 4 AND 5 IN PIN POSITION NO. 158

2003959		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
NEXT ASSY		CAPACITOR VALUES ARE IN μ F
USED ON		RESISTOR VALUES ARE IN OHMS
APPLICATION		TOLERANCES ON FRACTIONS DECIMALS ANGLES
		\pm \pm \pm
		DO NOT SCALE THIS DRAWING
		MATERIAL

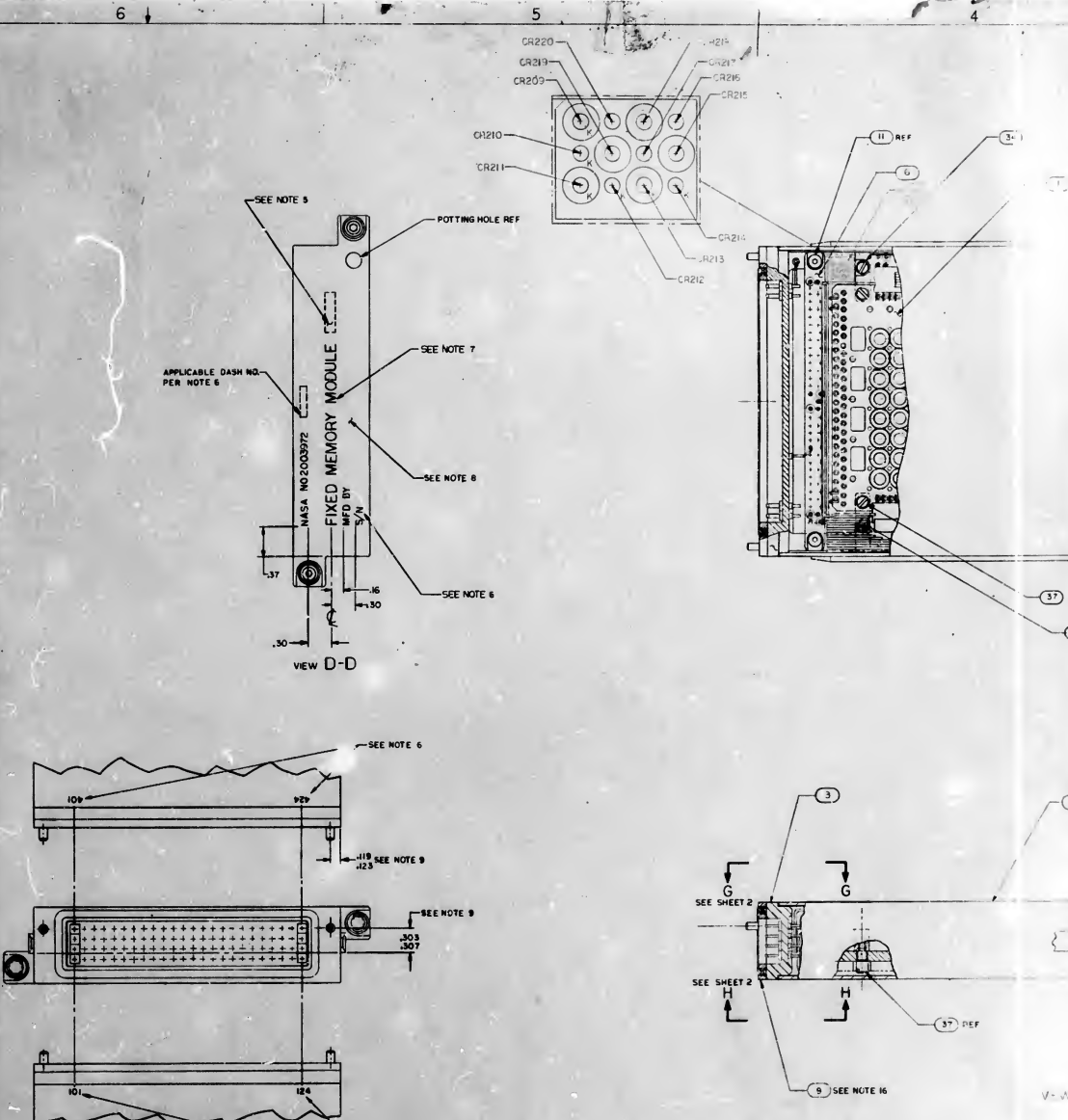
I	1008819-003		SLEEVE, GROUNDING	5
I	1008818-004		CONTACT, WRAPOST-FEMALE GRD	4
159	1006774		INSULATOR, WRAPOST-FEMALE	3
159	1006781-1		CONTACT, WRAPOST-FEMALE	2
I	2004920		PLATE, CONNECTOR	1
QTY REQD	PART OR IDENTIFYING NO.	MATERIAL OR NOTES	NOMENCLATURE OR DESCRIPTION	FIND NO.
011	LIST OF MATERIALS			

MIT INSTRUMENTATION LAB CAMBRIDGE, MASS		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN <i>RB Zuber</i>	ETAKES	CONNECTOR PLATE ASSY INDICATOR DIGITAL AGC DSKY	
CHECKED <i>AC Zuber</i>	1 FEB 64		
APPROVED <i>g. d. [Signature]</i>	5 FEB 64		
APPROVED <i>Red. [Signature]</i>	11 FEB 64		
APPROVED MIT <i>[Signature]</i>	11 FEB 64	CODE IDENT NO. SIZE	DRAWING NO.
APPROVED MSC	A. C. METZGER	80230 C	2003957
DATE	SCALE 2/1	SHEET 1 OF 1	

PART NO.	MODULE NO.	FIND NO. 1	FIND NO. 2	MODULE DECK NO.	NEXT ASSEMBLY NO. (REF)	PROCUREMENT SPECIFICATION SEE NOTE 15
2003972-01	B1	2003060-061	2003061-061	0205	2021101	PS2003972
2003972-02	B2	2003060-071	2003061-071	0205	2021101	
2003972-03	B3	2003060-081	2003061-081	0205	2021101	
2003972-04	B4	2003060-091	2003061-091	0210	2021101	
2003972-05	B5	2003060-101	2003061-101	0211	2021101	
2003972-06	B6	2003060-111	2003061-111	0212	2021101	
2003972-07	B7	2003060-121	2003061-121	0213	2021101	
2003972-08	B8	2003060-131	2003061-131	0214	2021101	
2003972-09	B9	2003060-141	2003061-141	0215	2021101	
2003972-10	B10	2003060-151	2003061-151	0216	2021101	
2003972-11	B11	2003060-161	2003061-161	0217	2021101	
2003972-12	B12	2003060-171	2003061-171	0218	2021101	
2003972-13	B13	2003060-181	2003061-181	0219	2021101	
2003972-14	B14	2003060-191	2003061-191	0220	2021101	
2003972-15	B15	2003060-201	2003061-201	0221	2021101	
2003972-16	B16	2003060-211	2003061-211	0222	2021101	
2003972-17	B17	2003060-221	2003061-221	0223	2021101	
2003972-18	B18	2003060-231	2003061-231	0224	2021101	
2003972-19	B19	2003060-241	2003061-241	0225	2021101	
2003972-20	B20	2003060-251	2003061-251	0226	2021101	
2003972-21	B21	2003060-261	2003061-261	0227	2021101	
2003972-22	B22	2003060-271	2003061-271	0228	2021101	
2003972-23	B23	2003060-281	2003061-281	0229	2021101	
2003972-24	B24	2003060-291	2003061-291	0230	2021101	
2003972-25	B25	2003060-301	2003061-301	0231	2021101	
2003972-26	B26	2003060-311	2003061-311	0232	2021101	
2003972-27	B27	2003060-321	2003061-321	0233	2021101	
2003972-28	B28	2003060-331	2003061-331	0234	2021101	
2003972-29	B29	2003060-341	2003061-341	0235	2021101	
2003972-30	B30	2003060-351	2003061-351	0236	2021101	
2003972-31	B31	2003060-361	2003061-361	0237	2021101	
2003972-32	B32	2003060-371	2003061-371	0238	2021101	
2003972-33	B33	2003060-381	2003061-381	0239	2021101	
2003972-34	B34	2003060-391	2003061-391	0240	2021101	
2003972-35	B35	2003060-401	2003061-401	0241	2021101	
2003972-36	B36	2003060-411	2003061-411	0242	2021101	
2003972-37	B37	2003060-421	2003061-421	0243	2021101	
2003972-38	B38	2003060-431	2003061-431	0244	2021101	
2003972-39	B39	2003060-441	2003061-441	0245	2021101	
2003972-40	B40	2003060-451	2003061-451	0246	2021101	
2003972-41	B41	2003060-461	2003061-461	0247	2021101	
2003972-42	B42	2003060-471	2003061-471	0248	2021101	
2003972-43	B43	2003060-481	2003061-481	0249	2021101	
2003972-44	B44	2003060-491	2003061-491	0250	2021101	
2003972-45	B45	2003060-501	2003061-501	0251	2021101	
2003972-46	B46	2003060-511	2003061-511	0252	2021101	
2003972-47	B47	2003060-521	2003061-521	0253	2021101	
2003972-48	B48	2003060-531	2003061-531	0254	2021101	
2003972-49	B49	2003060-541	2003061-541	0255	2021101	
2003972-50	B50	2003060-551	2003061-551	0256	2021101	
2003972-51	B51	2003060-561	2003061-561	0257	2021101	
2003972-52	B52	2003060-571	2003061-571	0258	2021101	
2003972-53	B53	2003060-581	2003061-581	0259	2021101	
2003972-54	B54	2003060-591	2003061-591	0260	2021101	
2003972-55	B55	2003060-601	2003061-601	0261	2021101	
2003972-56	B56	2003060-611	2003061-611	0262	2021101	
2003972-57	B57	2003060-621	2003061-621	0263	2021101	
2003972-58	B58	2003060-631	2003061-631	0264	2021101	
2003972-59	B59	2003060-641	2003061-641	0265	2021101	
2003972-60	B60	2003060-651	2003061-651	0266	2021101	
2003972-61	B61	2003060-661	2003061-661	0267	2021101	
2003972-62	B62	2003060-671	2003061-671	0268	2021101	
2003972-63	B63	2003060-681	2003061-681	0269	2021101	
2003972-64	B64	2003060-691	2003061-691	0270	2021101	
2003972-65	B65	2003060-701	2003061-701	0271	2021101	
2003972-66	B66	2003060-711	2003061-711	0272	2021101	
2003972-67	B67	2003060-721	2003061-721	0273	2021101	
2003972-68	B68	2003060-731	2003061-731	0274	2021101	
2003972-69	B69	2003060-741	2003061-741	0275	2021101	
2003972-70	B70	2003060-751	2003061-751	0276	2021101	
2003972-71	B71	2003060-761	2003061-761	0277	2021101	
2003972-72	B72	2003060-771	2003061-771	0278	2021101	
2003972-73	B73	2003060-781	2003061-781	0279	2021101	
2003972-74	B74	2003060-791	2003061-791	0280	2021101	
2003972-75	B75	2003060-801	2003061-801	0281	2021101	
2003972-76	B76	2003060-811	2003061-811	0282	2021101	
2003972-77	B77	2003060-821	2003061-821	0283	2021101	
2003972-78	B78	2003060-831	2003061-831	0284	2021101	
2003972-79	B79	2003060-841	2003061-841	0285	2021101	
2003972-80	B80	2003060-851	2003061-851	0286	2021101	
2003972-81	B81	2003060-861	2003061-861	0287	2021101	
2003972-82	B82	2003060-871	2003061-871	0288	2021101	
2003972-83	B83	2003060-881	2003061-881	0289	2021101	
2003972-84	B84	2003060-891	2003061-891	0290	2021101	
2003972-85	B85	2003060-901	2003061-901	0291	2021101	
2003972-86	B86	2003060-911	2003061-911	0292	2021101	
2003972-87	B87	2003060-921	2003061-921	0293	2021101	
2003972-88	B88	2003060-931	2003061-931	0294	2021101	
2003972-89	B89	2003060-941	2003061-941	0295	2021101	
2003972-90	B90	2003060-951	2003061-951	0296	2021101	
2003972-91	B91	2003060-961	2003061-961	0297	2021101	
2003972-92	B92	2003060-971	2003061-971	0298	2021101	
2003972-93	B93	2003060-981	2003061-981	0299	2021101	
2003972-94	B94	2003060-991	2003061-991	0300	2021101	
2003972-95	B95	2003060-1001	2003061-1001	0301	2021101	
2003972-96	B96	2003060-1011	2003061-1011	0302	2021101	
2003972-97	B97	2003060-1021	2003061-1021	0303	2021101	
2003972-98	B98	2003060-1031	2003061-1031	0304	2021101	
2003972-99	B99	2003060-1041	2003061-1041	0305	2021101	
2003972-100	B100	2003060-1051	2003061-1051	0306	2021101	

NOTES:

- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70827
- UNLESS OTHERWISE SPECIFIED ALL WORK SHALL BE IN ACCORDANCE WITH NDI002068
- ENCAPULATE MODULE PER NDI002226 METHOD II
- WELD PER NDI002009
- MARK APPROPRIATE MODULE NO. AS SHOWN IN CHART
- MARK D6 AND D6H PER NDI002009 AND NDI002226 TYPE II CLASS 2 AND SERIALIZE PER NDI002021 USING INK 100273-1
- MARK J4 AND J4H PER NDI002009 AND NDI002226 TYPE II CLASS 2 USING INK 100273-1
- MARK INDICATED SURFACES OF FIND NO. 1 PER NDI002277 WITH RED NDI00880-1
- MARK GREY EPOXY RESIN ENAMEL FINISH COAT PER NDI002277 USING 1012543-003
- ASSEMBLE FIND NO. 7 AND FIND NO. 8 TO DIMENSIONS SHOWN
- CURRENTLY LINES FROM NEAR SIDE OF FIND NO. 8 AND ASSEMBLY PLACES AS SHOWN
- FIND NO. 36 MUST INSULATE FLAT CABLES FROM TRIMMED COMPONENT LEADS + TRIM AS REQUIRED
- WHITE DOT AND SINGLE SOLID LEAD DENOTES FIRST LEVEL WIRING UNLESS OTHERWISE SPECIFIED
- BLACK DOT AND SINGLE SOLID LEAD DENOTES SECOND LEVEL WIRING
- BLACK DOT AND CROSS HATCHED LEAD DENOTES THIRD LEVEL WIRING
- ALL LEADS FROM FIND NO. 1 AND FIND NO. 2 TO FIND NO. 3 ARE TO BE THIRD LEVEL WIRING
- UNCOMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF PROCUREMENT SPECIFICATION AS LISTED IN CHART
- FOR NO. 9 TO BE SHIPPED UNASSEMBLED AND IDENTIFIED PER NDI002019



1. SEAL FINDS AND INSULATORS TO FIND NO. 3
 2. UNLESS OTHERWISE SPECIFIED ALL WORK SHALL BE IN ACCORDANCE WITH NDI002004 TYPE II BEFORE ASSY OF FIND NO. 6

18. FILL AS SHOWN PER NDI002235 METHOD A

19. RENE FIND NO. 39 TO FIND NO. 3 PER NDI002004 TYPE II AFTER ASSY OF FIND NO. 9

20. PRIOR TO ENCAPSULATION PER NOTE 3, COAT OVER ALL FINDS, SLEEVING, AND COMPONENT LEADS OF FIND NO. 4 AND FIND NO. 5 WITH SILICONE RUBBER PER NDI002009 METHOD A. MARK ALL OUTSIDE SURFACES OF FIND NO. 4 AND ALL OTHER SURFACES OF FIND NO. 5 COMING IN CLOSE CONTACT WITH FIND NO. 7

21. FILL INTERFACE BETWEEN FIND NO. 4 AND SIDE SURFACES OF FIND NO. 5 AND INTERFACE BETWEEN FIND NO. 5 AND SIDE SURFACES OF FIND NO. 2 USING FIND NO. 40. ROOM TEMP CURE FOR 24 HOURS MIN.

22. PRIOR TO ENCAPSULATION PER NOTE 3, COAT OVER ALL FINDS, SLEEVING, AND COMPONENT LEADS OF FIND NO. 4 AND FIND NO. 5 WITH SILICONE RUBBER PER NDI002009 METHOD A. MARK ALL OUTSIDE SURFACES OF FIND NO. 4 AND ALL OTHER SURFACES OF FIND NO. 5 COMING IN CLOSE CONTACT WITH FIND NO. 7

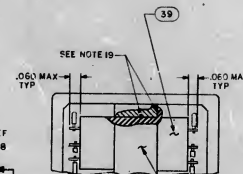
REFERENCES:

- PROCESS REQUIREMENTS FOR CONTROL AND INSPECTION OF ROPE MEMORY ASSEMBLYS, NDI002285
- FIXED MEMORY MODULE Dwg NO. A22500

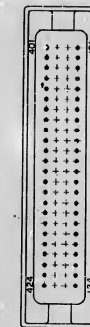
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SPARE	SPARE
SPARE	SPARE
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A-E0-196	B-E0-196
A-E0-197	B-E0-197
A-E0-198	B-E0-198
A-E0-199	B-E0-199
A-E0-200	B-E0-200
A-E0-201	B-E0-201
A-E0-202	B-E0-202
A-E0-203	B-E0-203
A-E0-204	B-E0-204
A-E0-205	B-E0-205
A-E0-206	B-E0-206
A-E0-207	B-E0-207
A-E0-208	B-E0-208
A-E0-209	B-E0-209
A-E0-210	B-E0-210
SPARE	SPARE
A-E0-212	B-E0-212
A-E0-213	B-E0-213

WIRE LIST	
TERMINAL NO.	TERMINAL NO.
SPARE	SPARE
SPARE	SPARE
SPARE	SPARE
SPARE	SPARE
A-E-10-95	B-E-10-95
A-E-10-196	B-E-10-196
A-E-10-197	B-E-10-197
A-E-10-198	B-E-10-198
A-E-10-199	B-E-10-199
A-E-10-200	B-E-10-200
A-E-10-201	B-E-10-201
A-E-10-202	B-E-10-202
A-E-10-203	B-E-10-203
A-E-10-204	B-E-10-204
A-E-10-205	B-E-10-205
A-E-10-206	B-E-10-206
A-E-10-207	B-E-10-207
A-E-10-208	B-E-10-208
A-E-10-209	B-E-10-209
A-E-10-210	B-E-10-210
SPARE	SPARE
A-E-10-212	B-E-10-212
A-E-10-213	B-E-10-213

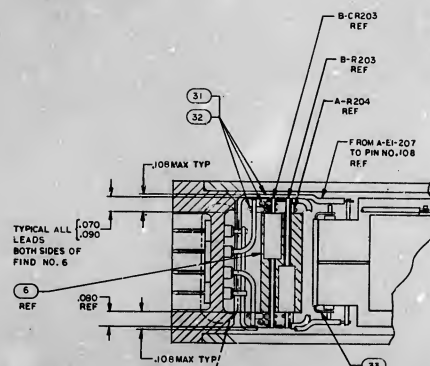
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COMPONENT NO.	COMPONENT NO.
CR215	R176
CR216	R144
CR217	R112
CR218	R80
CR219	R48
CR220	R16
CR209	R32
CR210	R64
CR211	R96
CR212	R128
CR213	R160
CR214	R192



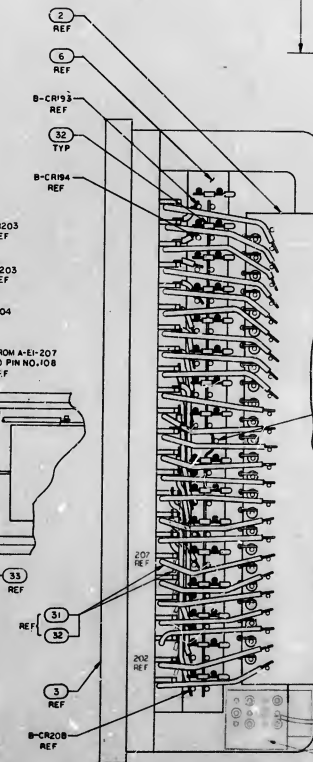
VIEW J-J



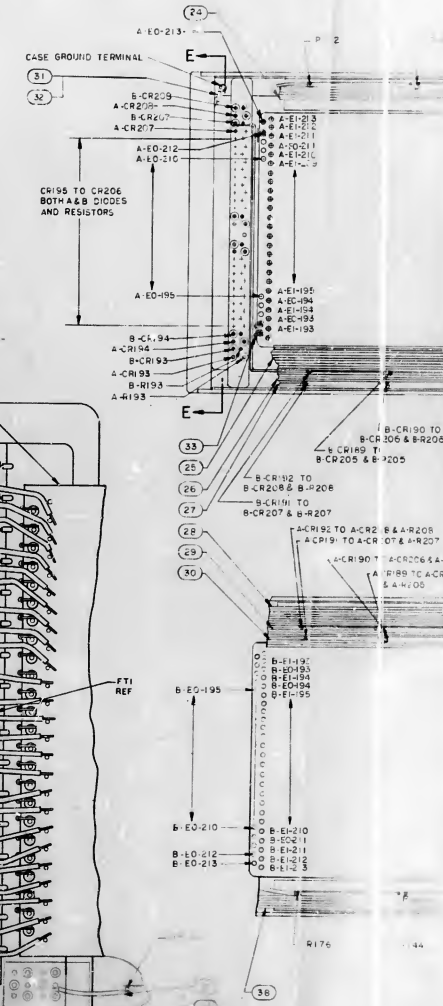
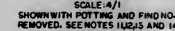
SECTION E-E



SECTION C-C



VIEW H-H



THIS DOCUMENT CONTAINS NEITHER RECOMMENDATIONS NOR
CONCLUSIONS OF THE NATIONAL BUREAU OF STANDARDS
AND IS NOT INTENDED TO BE USED IN LEGAL PROCEEDINGS
OR IN OTHER OFFICIAL CAPACITY.

PART NO.	MODULE NO.	FIND NO. 1	FIND NO. 2	MODULE BOX NO.	NEXT ASSEMBLY NO. (REF)	PROCUREMENT SPECIFICATION ELEMENT #
2003972 - 1041	B1	2003060 - 1091	2003061 - 1091	0305	202112 - 091	PS20H036
2003972 - 1091	B2	2003060 - 1111	2003061 - 1111	0306	202112 - 091	PS20H036
2003972 - 1061	B3	2003060 - 1121	2003061 - 1121	0307	202112 - 091	PS20H036
2003972 - 1071	B1	2003060 - 1091	2003061 - 1131	0308	202112 - 061	PS20H036
2003972 - 1081	B1	2003060 - 1121	2003061 - 1141	0309	202112 - 061	PS20H036
2003972 - 1091	B1	2003060 - 1121	2003061 - 1151	0310	202112 - 061	PS20H036
2003972 - 1101	B1	2003060 - 1121	2003061 - 1161	0311	202112 - 061	PS20H036
2003972 - 1111	B1	2003060 - 1121	2003061 - 1171	0312	202112 - 061	PS20H036
2003972 - 1121	B1	2003060 - 1121	2003061 - 1181	0313	202112 - 061	PS20H036
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WIRE LIST

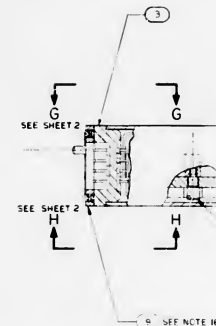
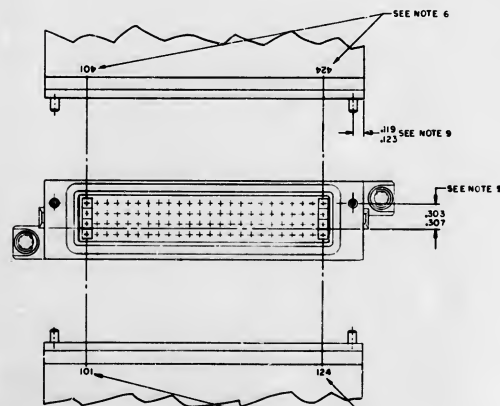
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A-E-01	A-E-07	A-E-07	A-E-07	B-E-01	B-E-01	B-E-01	B-E-01	A-E-11	A-E-11	R1	A-E-02	A-E-02	A-E-14
A-E-02	A-E-08	A-E-08	A-E-08	B-E-02	B-E-02	B-E-02	B-E-02	B-E-11	B-E-11	R1	A-E-03	A-E-03	A-E-15
A-E-03	A-E-09	A-E-09	A-E-09	B-E-03	B-E-03	B-E-03	B-E-03	B-E-12	B-E-12	R2	A-E-04	A-E-04	A-E-16
A-E-04	A-E-10	A-E-10	A-E-10	B-E-04	B-E-04	B-E-04	B-E-04	B-E-13	B-E-13	R3	A-E-05	A-E-05	A-E-17
A-E-05	A-E-11	A-E-11	A-E-11	B-E-05	B-E-05	B-E-05	B-E-05	B-E-14	B-E-14	R4	A-E-06	A-E-06	A-E-18
A-E-06	A-E-12	A-E-12	A-E-12	B-E-06	B-E-06	B-E-06	B-E-06	B-E-15	B-E-15	R5	A-E-07	A-E-07	A-E-19
A-E-07	A-E-13	A-E-13	A-E-13	B-E-07	B-E-07	B-E-07	B-E-07	B-E-16	B-E-16	R6	A-E-08	A-E-08	A-E-20
A-E-08	A-E-14	A-E-14	A-E-14	B-E-08	B-E-08	B-E-08	B-E-08	B-E-17	B-E-17	R7	A-E-09	A-E-09	A-E-21
A-E-09	A-E-15	A-E-15	A-E-15	B-E-09	B-E-09	B-E-09	B-E-09	B-E-18	B-E-18	R8	A-E-10	A-E-10	A-E-22
A-E-10	A-E-16	A-E-16	A-E-16	B-E-10	B-E-10	B-E-10	B-E-10	B-E-19	B-E-19	R9	A-E-11	A-E-11	A-E-23
A-E-11	A-E-17	A-E-17	A-E-17	B-E-11	B-E-11	B-E-11	B-E-11	B-E-20	B-E-20	R10	A-E-12	A-E-12	A-E-24
A-E-12	A-E-18	A-E-18	A-E-18	B-E-12	B-E-12	B-E-12	B-E-12	B-E-21	B-E-21	R11	A-E-13	A-E-13	A-E-25
A-E-13	A-E-19	A-E-19	A-E-19	B-E-13	B-E-13	B-E-13	B-E-13	B-E-22	B-E-22	R12	A-E-14	A-E-14	A-E-26
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A-E-15	A-E-21	A-E-21	A-E-21	B-E-15	B-E-15	B-E-15	B-E-15	B-E-24	B-E-24	R14	A-E-16	A-E-16	A-E-28
A-E-16	A-E-22	A-E-22	A-E-22	B-E-16	B-E-16	B-E-16	B-E-16	B-E-25	B-E-25	R15	A-E-17	A-E-17	A-E-29
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A-E-30	A-E-36	A-E-36	A-E-36	B-E-30	B-E-30	B-E-30	B-E-30	B-E-39	B-E-39	R29	A-E-31	A-E-31	A-E-43
A-E-31	A-E-37	A-E-37	A-E-37	B-E-31	B-E-31	B-E-31	B-E-31	B-E-40	B-E-40	R30	A-E-		
A-E-32	A-E-38	A-E-38	A-E-38	B-E-32	B-E-32	B-E-32	B-E-32	B-E-41	B-E-41	R31	A-E-79	A-E-79	A-E-79
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A-E-37	A-E-43	A-E-43	A-E-43	B-E-37	B-E-37	B-E-37	B-E-37	B-E-46	B-E-46	R36	A-E-84	A-E-84	A-E-84
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A-E-53	A-E-59	A-E-59	A-E-59	B-E-53	B-E-53	B-E-53	B-E-53	B-E-62	B-E-62	R52	A-E-100	A-E-100	A-E-100
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A-E-55	A-E-61	A-E-61	A-E-61	B-E-55	B-E-55	B-E-55	B-E-55	B-E-64	B-E-64	R54	A-E-102	A-E-102	A-E-102
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A-E-59	A-E-65	A-E-65	A-E-65	B-E-59	B-E-59	B-E-59	B-E-59	B-E-68	B-E-68	R58	A-E-106	A-E-106	A-E-106
A-E-60	A-E-66	A-E-66	A-E-66	B-E-60	B-E-60	B-E-60	B-E-60	B-E-69	B-E-69	R59	A-E-107	A-E-107	A-E-107
A-E-61	A-E-67	A-E-67	A-E-67	B-E-61	B-E-61	B-E-61	B-E-61	B-E-70	B-E-70	R60	A-E-108	A-E-108	A-E-108
A-E-62	A-E-68	A-E-68	A-E-68	B-E-62	B-E-62	B-E-62	B-E-62	B-E-71	B-E-71	R61	A-E-109	A-E-109	A-E-109
A-E-63	A-E-69	A-E-69	A-E-69	B-E-63	B-E-63	B-E-63	B-E-63	B-E-72	B-E-72	R62	A-E-110	A-E-110	A-E-110
A-E-64	A-E-70	A-E-70	A-E-70	B-E-64	B-E-64	B-E-64	B-E-64	B-E-73	B-E-73	R63	A-E-111	A-E-111	A-E-111
A-E-65	A-E-71	A-E-71	A-E-71	B-E-65	B-E-65	B-E-65	B-E-65	B-E-74	B-E-74	R64	A-E-112	A-E-112	A-E-112
A-E-66	A-E-72	A-E-72	A-E-72	B-E-66	B-E-66	B-E-66	B-E-66	B-E-75	B-E-75	R65	A-E-113	A-E-113	A-E-113
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A-E-68	A-E-74	A-E-74	A-E-74	B-E-68	B-E-68	B-E-68	B-E-68	B-E-77	B-E-77	R67	A-E-115	A-E-115	A-E-115
A-E-69	A-E-75	A-E-75	A-E-75	B-E-69	B-E-69	B-E-69	B-E-69	B-E-78	B-E-78	R68	A-E-116	A-E-116	A-E-116
A-E-70	A-E-76	A-E-76	A-E-76	B-E-70	B-E-70	B-E-70	B-E-70	B-E-79	B-E-79	R69	A-E-117	A-E-117	A-E-117
A-E-71	A-E-77	A-E-77	A-E-77	B-E-71	B-E-71	B-E-71	B-E-71	B-E-80	B-E-80	R70	A-E-118	A-E-118	A-E-118
A-E-72	A-E-78	A-E-78	A-E-78	B-E-72	B-E-72	B-E-72	B-E-72	B-E-81	B-E-81	R71	A-E-119	A-E-119	A-E-119
A-E-73	A-E-79	A-E-79	A-E-79	B-E-73	B-E-73	B-E-73	B-E-73	B-E-82	B-E-82	R72	A-E-120	A-E-120	A-E-120
A-E-74	A-E-80	A-E-80	A-E-80	B-E-74	B-E-74	B-E-74	B-E-74	B-E-83	B-E-83	R73	A-E-121	A-E-121	A-E-121
A-E-75	A-E-81	A-E-81	A-E-81	B-E-75	B-E-75	B-E-75	B-E-75	B-E-84	B-E-84	R74	A-E-122	A-E-122	A-E-122
A-E-76	A-E-82	A-E-82	A-E-82	B-E-76	B-E-76	B-E-76	B-E-76	B-E-85	B-E-85	R75	A-E-123	A-E-123	A-E-123
A-E-77	A-E-83	A-E-83	A-E-83	B-E-77	B-E-77	B-E-77	B-E-77	B-E-86	B-E-86	R76	A-E-124	A-E-124	A-E-124
A-E-78	A-E-84	A-E-84	A-E-84	B-E-78	B-E-78	B-E-78	B-E-78	B-E-87	B-E-87	R77	A-E-125	A-E-125	A-E-125
A-E-79	A-E-85	A-E-85	A-E-85	B-E-79	B-E-79	B-E-79	B-E-79	B-E-88	B-E-88	R78	A-E-126	A-E-126	A-E-126
A-E-80	A-E-86	A-E-86	A-E-86	B-E-80	B-E-80	B-E-80	B-E-80	B-E-89	B-E-89	R79	A-E-127	A-E-127	A-E-127
A-E-81	A-E-87	A-E-87	A-E-87	B-E-81	B-E-81	B-E-81	B-E-81	B-E-90	B-E-90	R80	A-E-128	A-E-128	A-E-128
A-E-82	A-E-88	A-E-88	A-E-88	B-E-82	B-E-82	B-E-82	B-E-82	B-E-91	B-E-91	R81	A-E-129	A-E-129	A-E-129
A-E-83	A-E-89	A-E-89	A-E-89	B-E-83	B-E-83	B-E-83	B-E-83	B-E-92	B-E-92	R82	A-E-130	A-E-130	A-E-130
A-E-84	A-E-90	A-E-90	A-E-90	B-E-84	B-E-84	B-E-84	B-E-84	B-E-93	B-E-93	R83	A-E-131	A-E-131	A-E-131
A-E-85	A-E-91	A-E-91	A-E-91	B-E-85	B-E-85	B-E-85	B-E-85	B-E-94	B-E-94	R84	A-E-132	A-E-132	A-E-132
A-E-86	A-E-92	A-E-92	A-E-92	B-E-86	B-E-86	B-E-86	B-E-86	B-E-95	B-E-95	R85	A-E-133	A-E-133	A-E-133
A-E-87	A-E-93	A-E-93	A-E-93	B-E-87	B-E-87	B-E-87	B-E-87	B-E-96	B-E-96	R86	A-E-134	A-E-134	A-E-134
A-E-88	A-E-94	A-E-94	A-E-94	B-E-88	B-E-88	B-E-88	B-E-88	B-E-97	B-E-97	R87	A-E-135	A-E-135	A-E-135
A-E-89	A-E-95	A-E-95	A-E-95	B-E-89	B-E-89	B-E-89	B-E-89	B-E-98	B-E-98	R88	A-E-136	A-E-136	A-E-136
A-E-90	A-E-96	A-E-96	A-E-96	B-E-90	B-E-90	B-E-90	B-E-90	B-E-99	B-E-99	R89	A-E-137	A-E-137	A-E-137
A-E-91	A-E-97	A-E-97	A-E-97	B-E-91	B-E-91	B-E-91	B-E-91	B-E-100	B-E-100	R90	A-E-138	A-E-138	A-E-138
A-E-92	A-E-98	A-E-98	A-E-98	B-E-92	B-E-92	B-E-92	B-E-92	B-E-101	B-E-101	R91	A-E-139	A-E-139	A-E-139
A-E-93	A-E-99	A-E-99	A-E-99	B-E-93	B-E-93	B-E-93	B-E-93	B-E-102	B-E-102	R92	A-E-140	A-E-140	A-E-140
A-E-94	A-E-100	A-E-100	A-E-100	B-E-94	B-E-94	B-E-94	B-E-94	B-E-103	B-E-103	R93	A-E-141	A-E-141	A-E-141
A-E-95	A-E-101	A-E-101	A-E-101	B-E-95	B-E-95	B-E-95	B-E-95	B-E-104	B-E-104	R94	A-E-142	A-E-142	

REV/ISSUES							
SHIP	ZONE	DESCRIPTION	REV	COM	DATE	APPROVED	
A	B	REVISD PER TORR 33.4-0	27				
B	C	REVISD PER TORR 33.4-0	27				
C	D	REVISD PER TORR 33.4-0	27				
D	E	REVISD PER TORR 33.4-0	27				
E	F	REVISD PER TORR 33.4-0	27				
F	G	REVISD PER TORR 33.4-0	27				
G	H	REVISD PER TORR 33.4-0	27				
H	I	REVISD PER TORR 33.4-0	27				
I	J	REVISD PER TORR 33.4-0	27				
J	K	REVISD PER TORR 33.4-0	27				
K	L	REVISD PER TORR 33.4-0	27				
L	M	REVISD PER TORR 33.4-0	27				
M	N	REVISD PER TORR 33.4-0	27				
N	O	REVISD PER TORR 33.4-0	27				
O	P	REVISD PER TORR 33.4-0	27				
P	Q	REVISD PER TORR 33.4-0	27				
Q	R	REVISD PER TORR 33.4-0	27				
R	S	REVISD PER TORR 33.4-0	27				
S	T	REVISD PER TORR 33.4-0	27				
T	U	REVISD PER TORR 33.4-0	27				
U	V	REVISD PER TORR 33.4-0	27				
V	W	REVISD PER TORR 33.4-0	27				
W	X	REVISD PER TORR 33.4-0	27				
X	Y	REVISD PER TORR 33.4-0	27				
Y	Z	REVISD PER TORR 33.4-0	27				
Z	AA	REVISD PER TORR 33.4-0	27				
AA	AB	REVISD PER TORR 33.4-0	27				
AB	AC	REVISD PER TORR 33.4-0	27				
AC	AD	REVISD PER TORR 33.4-0	27				
AD	AE	REVISD PER TORR 33.4-0	27				

(BY) <u>WFO</u> PART OF NO. <u>00000000</u> CERTIFICATE NO.		NOMENCLATURE OR DESCRIPTION <u>UNIT OF MEASUREMENT</u>		1 <u>1</u>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES CAPACITOR VALUES ARE IN P.F. RESISTOR VALUES ARE IN OHMS TOLERANCES ON PARTS ARE AS SHOWN IN THE DRAWING UNLESS OTHERWISE SPECIFIED		UNIT INSTRUMENTATION LAB DRAWN BY <u>WFO</u> CHECKED BY <u>WFO</u> APPROVED BY <u>WFO</u> DATE <u>2003 07 22</u>		2 MAINTENANCE TECHNICIAN CENTER HONOLULU, HAWAII FIXED MEMORY MODULE ASSEMBLY ORDER NO. <u>00000000</u> DATE <u>2003 07 22</u> DRAWING NO. <u>00000000</u> REVISION <u>00000000</u> DISC <u>00000000</u>	3 <u>1</u>
NEXT ASSY. <u>00000000</u>	USED ON <u>00000000</u>	4 APPLICATION <u>00000000</u>			

NOTES:

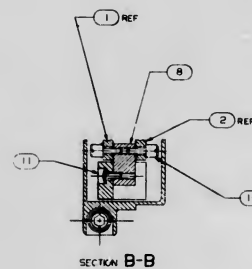
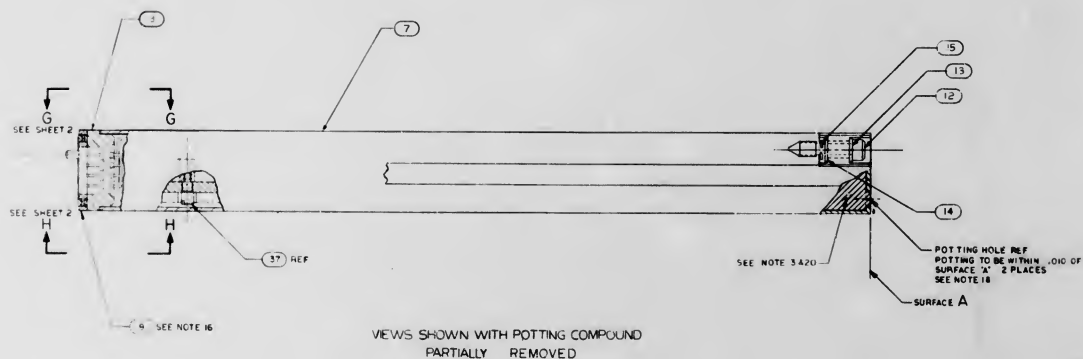
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70827
2. UNLESS OTHERWISE SPECIFIED ALL WIRING SHALL BE IN ACCORDANCE WITH NDI002069
3. ENCAPSULATE MODULE PER NDI002226 METHOD II
4. WELD PER NDI002025
5. MARK APPROPRIATE MODULE NO. AS SHOWN IN CHART
6. WELD PER D66 HIGH PER NDI00209 AND NDI00202 TYPE II CLASS 2 AND SERIALIZE PER NDI 102023 USING IN 100627-H
7. WELD PER D66 HIGH PER NDI00209 AND NDI00202 TYPE II CLASS 2 USING IN 100627-H
8. MOUNT IDENTIFIED SURFACES OF FIND NO. PER NDI002278 WITH SCD NO. 100080B-1
9. MARK GREY EPOXY RESIN ENAMEL, FINAL COAT PER NDI002277 USING IN 10043-003
10. ASSEMBLE LIND NO. 4 AND FIND NO.3 TO DIMENSIONS SHOWN
11. REMOVE LINER FROM REARVIEW OF FIND NO.36 AND ASSEMBLE 3 PLACES AS SHOWN
12. REMOVE THE REARVIEW PLATE CABLES FROM TRIMMED COMPONENT LEADS - TRIM AS REQUIRED
13. WHITE COAT AND SINGLE SOLID LDC DENOTES FIRST LEVEL WIRING UNLESS OTHERWISE SPECIFIED
14. BLACK COAT AND SINGLE SOLID LDC DENOTES SECOND LEVEL WIRING
15. BLACK COAT AND CROCS HATCHED LDC DENOTES THIRD LEVEL WIRING
16. ALL LEADS FROM FIND NO.1 AND FIND NO.2 TO FIND NO.3 TO BE THIRD LEVEL WIRING
17. CONDUCT ASSESSMENT SHALL BE TESTED IN ORDER AND SHALL MEET ALL THE REQUIREMENTS OF PS2003972. FIND NO.3 TO BE SHIPPED UNASSEMBLED AND IDENTIFIED PER NDI 100209



1. PROCESS REQUIREMENTS FOR CONTROL
AND INSPECTION OF ROPE MEMORY ASSEMBLIES
NO1002285

2. FIXED MEMORY FIXTURE DWG. NO. AP22500

SEE NOTE 6



REVISED				
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE
1	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10
2	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10
3	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10
4	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10
5	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10
6	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10
7	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10
8	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10
9	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10
10	REVISED PER TOWN 3/2/06	7/10	REVISED PER TOWN 3/2/06	7/10

2005937-01		SCHEMATIC		REV	
2005935		SCHEMATIC		REV	
	1 2004484	FLAT CABLE			31
	2 2004490 - 033	SCREW, SHROUDED			31
AR	3 2004494 - 041	SCREW, SHROUDED ELECTRICAL			31
	4 2004495 - 002	SCREW, SHROUDED			31
	5 2004499	FLAT CABLE INTERCONNECTION			31
AR	6 2004725 - 28	ELEVING			32
	7 2004727 - 02	FLAT ELECTRICAL			32
	8 2004735	FLAT CABLE			32
	9 2004732	FLAT CABLE			32
	10 2004734	FLAT CABLE			32
	11 2004733	FLAT CABLE			32
	12 2004731	FLAT CABLE			32
	13 2004730	FLAT CABLE			32
	14 2004729	FLAT CABLE			32
	15 2004726	FLAT CABLE			32
	16 2004504 - 010	MATRIX ASSY			32
	17 2004501 - 014	MATRIX ASSY			32
B	18 2004501 - 016	MATRIX ASSY			32
	19 2004501 - 015	MATRIX ASSY			32
	20 2004501 - 017	MATRIX ASSY			32
	21 2004501 - 018	MATRIX ASSY			32
	22 2004501 - 011	MATRIX ASSY			32
	23 2004501 - 012	MATRIX ASSY			32
	24 2004501 - 013	MATRIX ASSY			32
	25 2004501 - 019	MATRIX ASSY			32
	26 2004501 - 010	MATRIX ASSY			32
	27 2004501 - 010	MATRIX ASSY			32
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	65 2004501 - 010	MATRIX ASSY			32
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	67 2004501 - 010	MATRIX ASSY			32

FOR APPLICABLE PARTY
NO. SEE CHART

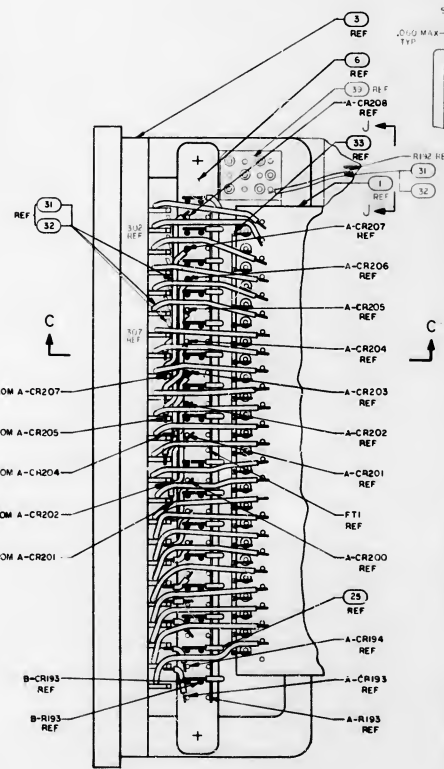
QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	FIND NO
-------------	---------------------------	--------------------------------	------------

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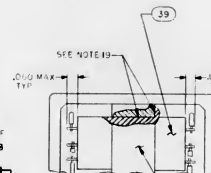
WIRE LIST			
PIN NO.	COMPONENT OR TERM. NO.	PIN NO.	COMPONENT OR TERM. NO.
101	A-E121	301	GROUND
102	A-E121	302	SPARE
103	A-E121	303	SPARE
104	A-E121	304	SPARE
105	A-E121	305	SPARE
106	A-E1209	306	SPARE
107	A-E1208	307	SPARE
108	A-E1207	308	A-CR208
109	A-E1206	309	A-CR207
110	A-E1205	310	A-CR206
111	A-E1204	311	A-CR205
112	A-E1203	312	A-CR204
113	A-E1202	313	A-CR203
114	A-E1201	314	A-CR202
115	A-E1200	315	A-CR201
116	A-E1199	316	A-CR200
117	A-E1198	317	A-CR199
118	A-E1197	318	A-CR198
119	A-E1196	319	A-CR197
120	A-E1195	320	A-CR196
121	A-E1194	321	A-CR195
122	A-E1193	322	A-CR194
123	A-E1192	323	A-CR193
124	A-E1191	324	SPARE
201	B-E1208	401	B-E1213
202	B-E1207	402	B-E1212
203	B-E1206	403	B-E1211
204	B-E1205	404	B-E1210
205	B-E1204	405	B-E1209
206	B-E1203	406	B-E1208
207	B-E1202	407	B-E1207
208	B-E1201	408	B-E1206
209	B-E1200	409	B-E1205
210	B-E1199	410	B-E1204
211	B-E1198	411	B-E1203
212	B-E1197	412	B-E1202
213	B-E1196	413	B-E1201
214	B-E1195	414	B-E1200
215	B-E1194	415	B-E1199
216	B-E1193	416	B-E1198
217	B-E1192	417	B-E1197
218	B-E1191	418	B-E1196
219	B-E1190	419	B-E1195
220	B-E1189	420	B-E1194
221	B-E1188	421	B-E1193
222	B-E1187	422	B-E1192
223	B-E1186	423	B-E1191
224	SPARE	424	B-E1190

WIRE LIST	
TERMINAL NO.	TERMINAL NO.
SPARE	SPARE
SPARE	SPARE
SPARE	SPARE
SPARE	SPARE
A-E1-195	B-E1-195
A-E1-196	B-E1-196
A-E1-197	B-E1-197
A-E1-198	B-E1-198
A-E1-199	B-E1-199
A-E1-200	B-E1-200
A-E1-201	B-E1-201
A-E1-202	B-E1-202
A-E1-203	B-E1-203
A-E1-204	B-E1-204
A-E1-205	B-E1-205
A-E1-206	B-E1-206
A-E1-207	B-E1-207
A-E1-208	B-E1-208
A-E1-209	B-E1-209
A-E1-210	B-E1-210
SPARE	SPARE
SPARE	SPARE
A-E1-212	B-E1-212
A-E1-213	B-E1-213

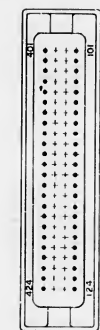
WIRE LIST	
COMPONENT NO.	COMPONENT NO.
CR215	R175
CR216	R176
CR217	R177
CR218	R178
CR219	R179
CR220	R180
CR221	R181
CR222	R182
CR223	R183
CR224	R184
CR225	R185
CR226	R186
CR227	R187
CR228	R188
CR229	R189
CR230	R190
CR231	R191
CR232	R192



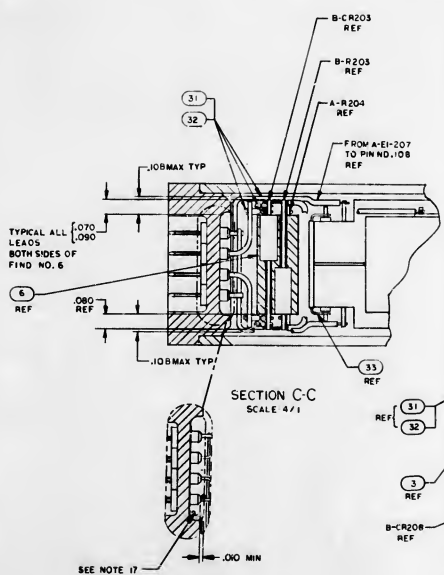
VIEW G-G
SCALE 4/1
SHOWN WITH POTTING AND FIND NO. 7
REMOVED. SEE NOTES 11, 12, 13 AND 14



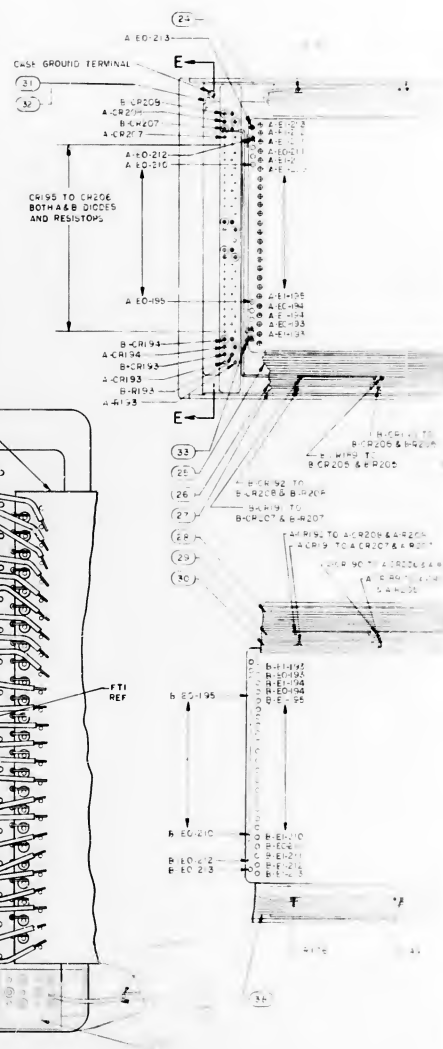
VIEW J-J
SCALE 4/1
SHOWN WITH POTTING AND FIND NO. 7
REMOVED. SEE NOTES 11, 12, 13 AND 14



SECTION E-E
SCALE 4/1
SHOWN WITH POTTING AND FIND NO. 7
REMOVED. SEE NOTES 11, 12, 13 AND 14

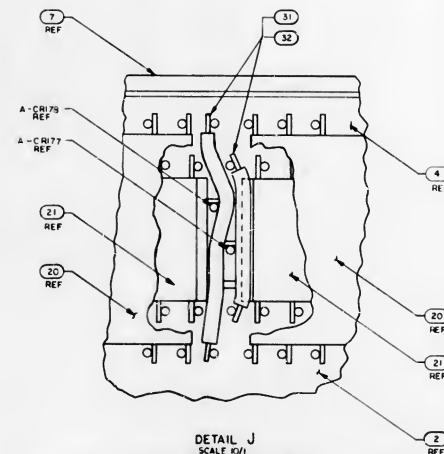
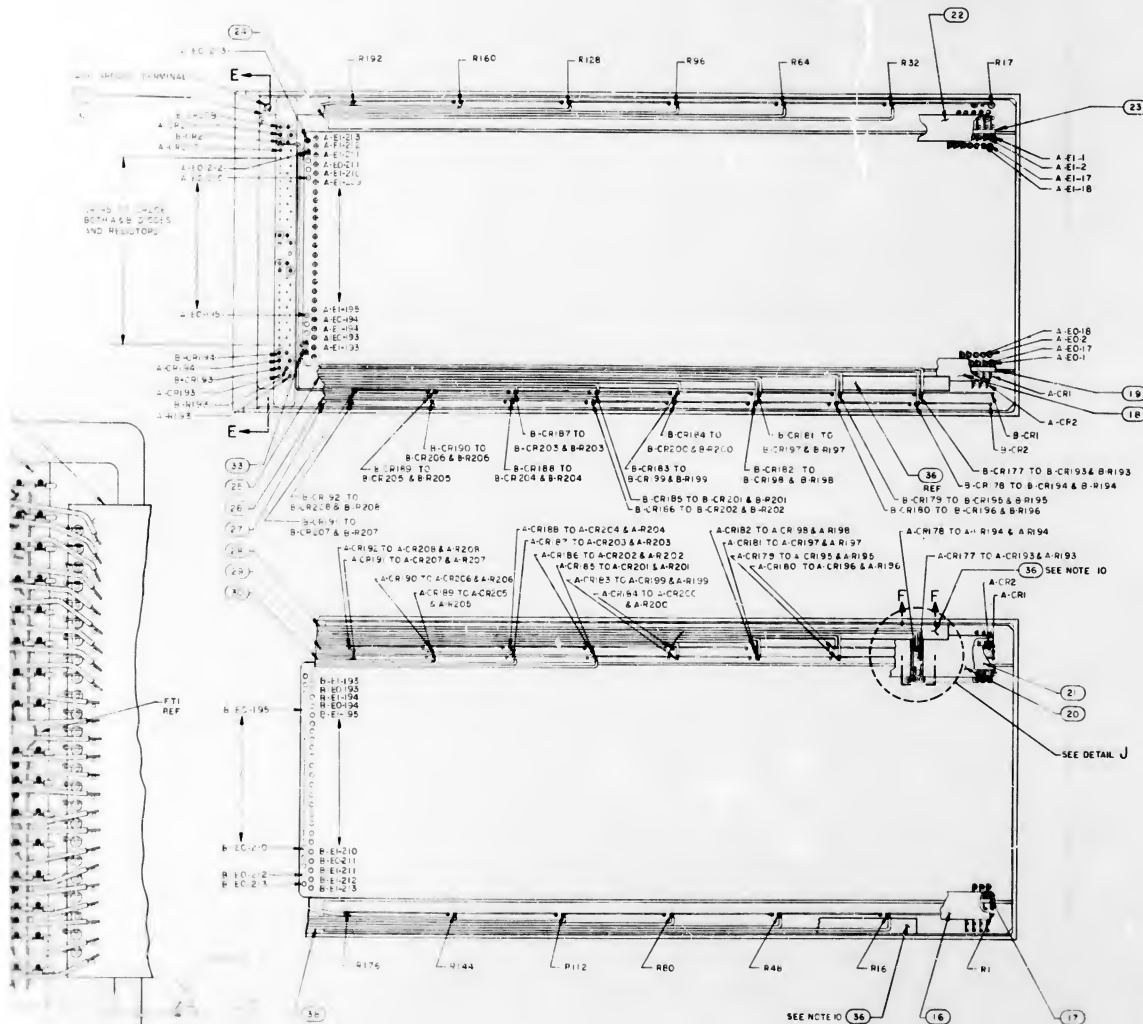


SECTION C-C
SCALE 4/1
SHOWN WITH POTTING AND FIND NO. 7
REMOVED. SEE NOTES 11, 12, 13 AND 14

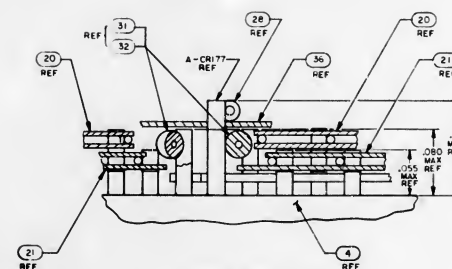


VIEW H-H
SCALE 4/1
SHOWN WITH POTTING AND FIND NO. 7
REMOVED. SEE NOTES 11, 12, 13 AND 14

2003972 E



DETAIL J
SCALE 10/1
TYPICAL WIRING 9 PLACES, SHOWN
WITH FIND NO 328 AND 36 REMOVED



PARTIAL SECTION F-F
SCALE: 20/1

W H-H
A 4/1
FINDING AND FIND NO. 7
MAY 11 12 13 AM '14

F-2/2

[illegible]

SECRET

8

7

6

5

4

D

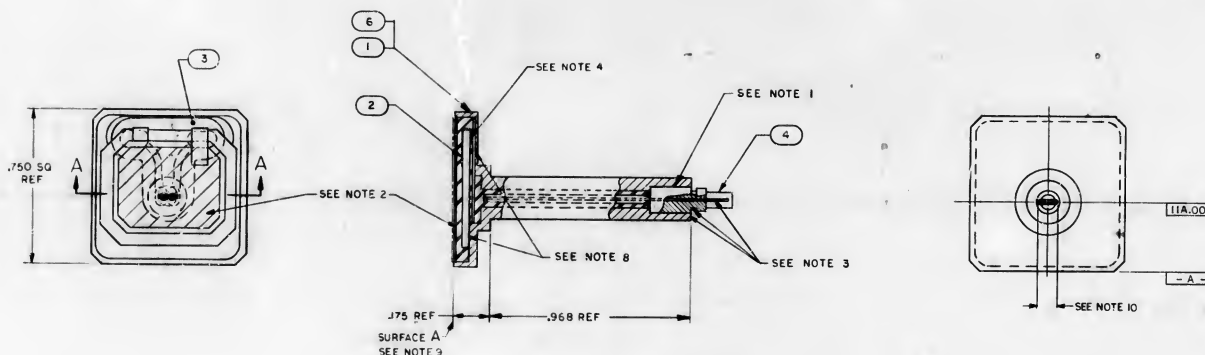
C

B

A

NOTES: THIS DRAWING IS THE PROPERTY OF THE U.S. AIR FORCE. IT IS TO BE USED ONLY FOR THE PURPOSES AND IN THE MANNER SPECIFIED HEREIN. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. AIR FORCE. THIS DRAWING IS THE PROPERTY OF THE U.S. AIR FORCE. IT IS TO BE USED ONLY FOR THE PURPOSES AND IN THE MANNER SPECIFIED HEREIN. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. AIR FORCE.

REVISIONS 21877					
BY	DATE	DESCRIPTION	DR	CHK	DATE
A	10/10/77	REVISED PER TDRR 23127	W.B.	W.B.	10/10/77
B	10/10/77	REVISED PER TDRR 27467	W.B.	W.B.	10/10/77
C	10/10/77	REVISED PER TDRR 27915	W.B.	W.B.	10/10/77
D	10/10/77	REVISED PER TDRR 32580	W.B.	W.B.	10/10/77
E	10/10/77	REVISED PER TDRR 32724	W.B.	W.B.	10/10/77



NOTES

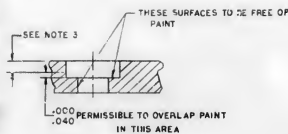
1. BOND FIND NO. 4 TO FIND NO. 1 OR FIND NO. 6 PER NDIO02004, TYPE IV
2. ENCAPSULATE PER NDIO02276, TYPE II, EXCEPT CROSSHATCHED AREA TO BE OPTICALLY CLEAR, FREE OF AIR BUBBLES AND SURFACE IRREGULARITIES
3. SURFACES TO BE FREE OF ENCAPSULATING COMPOUND BONDING AGENT
4. SOLDER FIND NO. 3 TO FIND NO. 2 AND 4 PER NDIO02071 USING SOLDER NDIO02075
5. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
6. IDENTIFY WITH PART NO. PER NDIO02019
7. COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF PS2003075
8. BOND FIND NO. 2 AND 3 TO FIND NO. 1 OR 6 USING FIND NO. 5 OR PER NDIO02004, TYPE IV
9. SURFACE OF ENCAPSULANT SHALL BE BETWEEN .010 MAX BELOW SURFACE A TO .005 MAX ABOVE SURFACE A
10. REFERENCE .082/.087 REQUIRED ACROSS OUTSIDE EDGE OF WIRES.

PARTIAL SECTION A-A
SCALE 10/1

I	—	2004678	SHAFT	5
AR	AR	1012536	ADHESIVE	5
I	I	2003932-011	PLUG ASSY	4
I	I	1006371	CABLE ASSY, SPECIAL PURPOSE	3
I	I	1006340	PANEL, E/Z	2
—	—	2004948	SHAFT	1
QTY REQD	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
02	01			

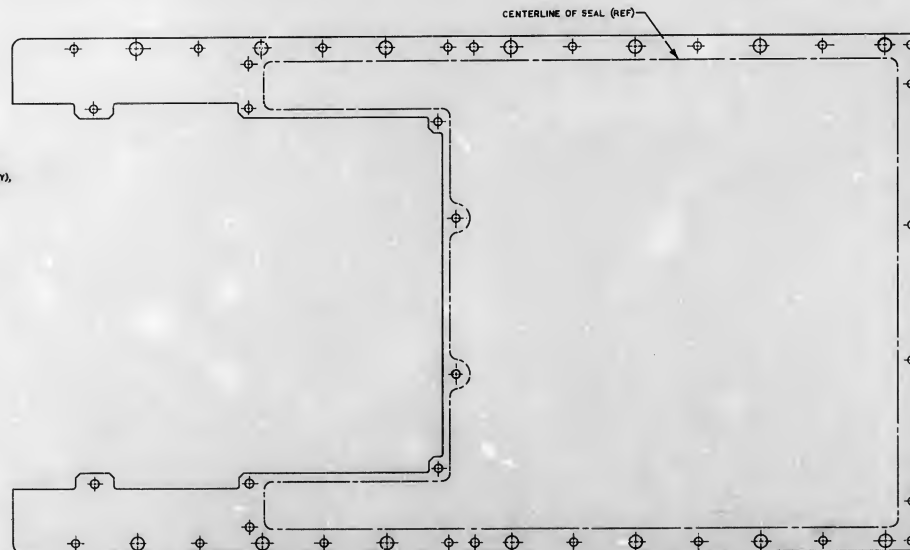
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES CAPACITOR VALUES ARE IN μ F RESISTOR VALUES ARE IN OHMS TOLERANCES ON FRACTIONS DECIMALS ANGLES * * * DO NOT SCALE THIS DRAWING		MATERIAL	
2003875		2003964	
2003974			
NEXT ASSY	USED ON	APPLICATION	
MIT INSTRUMENTATION LAB CH-THORPE, HALL DRAWN BY <i>[Signature]</i> CHECKED BY <i>[Signature]</i> APPROVED BY <i>[Signature]</i> DATE <i>[Date]</i>		MANNED SPACECRAFT CENTER HOUSTON, TEXAS SHAFT ASSEMBLY PUSH BUTTON SWITCH AGC DSKY CODE IDENT NO. SIZE 80230 D 2003975 DATE SCALE 4/1 SHEET 1 OF 1	

2003975



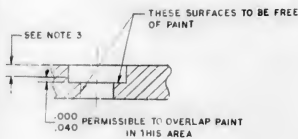
NOTES

1. MATL: MAKE FROM IO06378-001
2. PAINT THIS EDGE INCLUDING RADII PER NDI002279 USING IO0803-1 (DARK GRAY), FINAL COAT SURFACES PER NDI002277 USING IO1254-003 OVERLAPPING THE AL FILLED CLEAR EPOXY PERMISSIBLE
3. PAINT THE FOLLOWING FINISHES TO SURFACES INDICATED
PRIMER ONLY PER NDI002275 USING IO1092
P NT AL FILLED CLEAR EPOXY PER NDI002289
4. IN ERPET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED
5. MARK ALL HOLES EXCEPT AS NOTED



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524	
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CENTERLINE OF SEAL (REF)



SECTION A-A
SCALE 4/1
26 PLACES

NOTES

1. PAINT MAKE FROM 1006379-001
2. PAINT THIS EDGE INCLUDING RADII PER ND1002279 USING 1008009-1 (DARK GRAY) FINAL COAT SURFACES PER ND1002277 USING 1012543-003, OVERLAPPING THE AL FILLED CLEAR EPOXY PERMISSIBLE
3. APPLY THE FOLLOWING FINISHES TO SURFACES INDICATED, TOTAL THICKNESS OF FINISHES ON SURFACE A NOT TO EXCEED .002
PRIMER ONLY PER ND1002279 USING 1010992
PAINT TO FILL CRACKS PER ND1002279 USING 1002289
4. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
6. MASK ALL HOLES EXCEPT AS NOTED

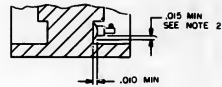
[illegible]

R9, R10

PART NO.	VALUE
1006750-25	510
-26	560
-27	620
-28	680
-29	750
-30	820
-31	910
-32	1K
-33	1.1K
-34	1.2K
-35	1.3K
-36	1.5K
-37	1.6K
-38	1.8K
-39	2.0K
-40	2.2K
-41	2.4K
-42	2.7K
-43	3.0K
-44	3.3K
-45	3.6K
-46	3.9K
-47	4.3K
-48	4.7K
-49	5.1K
-50	5.6K
-51	6.2K
-52	6.8K
-53	7.5K
-54	8.2K
-55	9.1K
-56	10K
-57	11K
-58	12K
-59	13K
-60	15K
-61	16K
-62	18K
-63	20K
-64	22K
-65	24K
-66	27K
-67	30K
-68	33K
-69	36K
-70	39K
-71	43K
-72	47K
-73	51K
-74	56K
-75	62K
-76	68K
-77	75K
-78	82K
-79	91K
-80	100K
-81	110K
-82	120K
-83	130K
-84	150K
-85	160K
-86	180K
-87	200K
-88	220K
-89	240K
-90	270K
-91	300K
-92	330K
-93	360K
-94	390K
-95	430K
-96	470K

R23, R27, R32

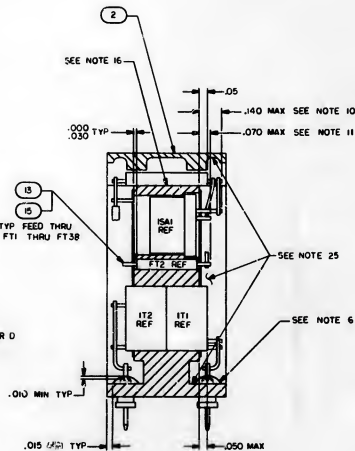
PART NO.	VALUE
1006750-32	1K
-33	1.1K
-34	1.2K
-35	1.3K
-36	1.5K
-37	1.6K
-38	1.8K
-39	2.0K
-40	2.2K
-41	2.4K
-42	2.7K
-43	3.0K
-44	3.3K
-45	3.6K
-46	3.9K
-47	4.3K
-48	4.7K
-49	5.1K
-50	5.6K
-51	6.2K
-52	6.8K
-53	7.5K
-54	8.2K
-55	9.1K
-56	10K
-57	11K
-58	12K
-59	13K
-60	15K
-61	16K
-62	18K
-63	20K
-64	22K
-65	24K
-66	27K
-67	30K
-68	33K
-69	36K
-70	39K
-71	43K
-72	47K
-73	51K
-74	56K
-75	62K
-76	68K
-77	75K
-78	82K
-79	91K
-80	100K
-81	110K
-82	120K
-83	130K
-84	150K
-85	160K
-86	180K
-87	200K
-88	220K
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-91	300K
-92	330K
-93	360K
-94	390K
-95	430K
-96	470K



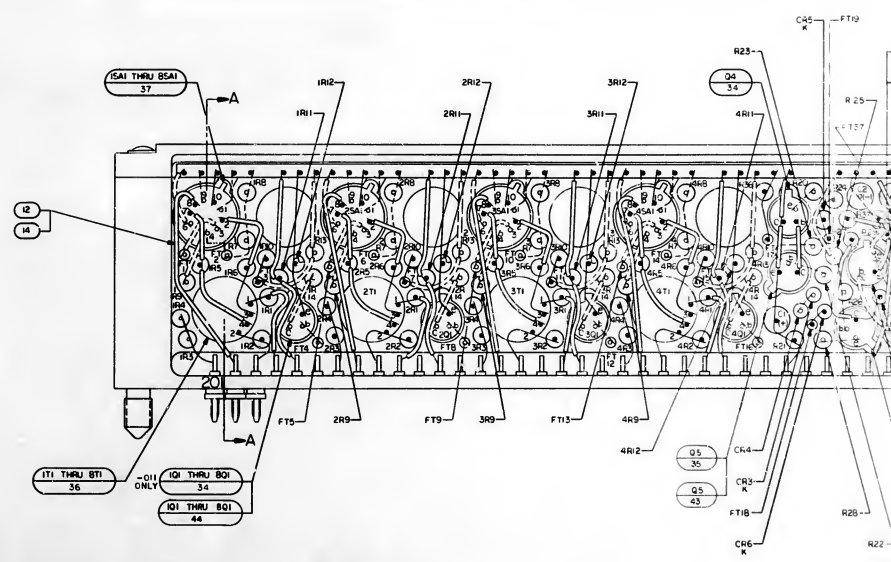
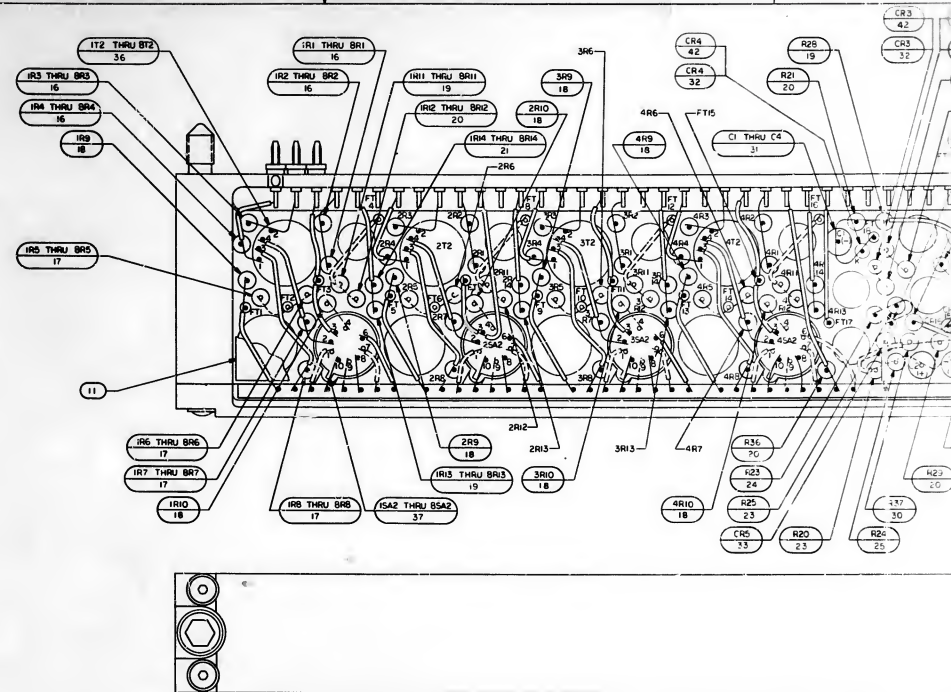
SECTION B-B

NOTES:

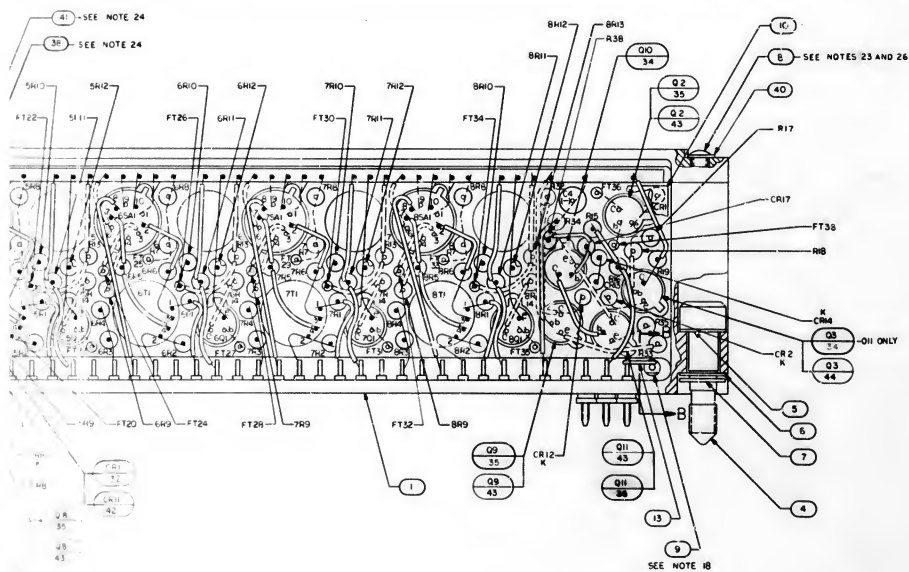
- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70387
- AR DENOTES AS REQUIRED
- FT DENOTES FEED THRU
- W DENOTES POSITIVE SIDE OF CAPACITOR
- K DENOTES CATHODE SIDE OF DIODE
- SEAL INSULATORS AND TERMINALS TO HEADER PER ND1002004, TYPE III
- MARK 10/08 HIGH WHITE CHARACTERS PER ND1002019 AND ND100212, TYPE II, CLASS 2 AND SERIALIZE PER ND1002023 USING INK 1006271-1
- MARK 25/24 HIGH WHITE CHARACTERS PER ND1002019 AND ND100212, TYPE II, CLASS 2 USING INK 1006271-1
- UNLESS OTHERWISE SPECIFIED, ALL WIRING SHALL BE IN ACCORDANCE WITH ND1002069
- BLACK DOT AND SINGLE SOLID LEADS INDICATE UPPER LEVEL WIRING
- WHITE DOT AND SINGLE DOTTED LEADS INDICATE LOWER LEVEL WIRING
- THE VALUE OF THE FOLLOWING COMPONENTS TO BE DETERMINED AT ELECTRICAL TEST. R9, R10, R23, R27 AND R32 TO BE SELECTED FROM APPROPRIATE CHART.
- STAKE FIND NO. 16 THRU FIND NO. 37 FIND NO. 42, 43 AND 44 TO FIND NO. 1 PER ND1002009 METHOD C OR D
- ENCAPSULATE PER ND1002002 REMOVE FLASHING
- WELD PER ND1002005
- BOND FIND NO. 2 TO FIND NO. 1 PER ND1002004, TYPE I
- TRIM UNUSED LEAD OF FIND NO. 37 .010-.030 FROM CASE
- MOUNTING TORQUE FOR FIND NO. 9 TO BE 15-20 INCH OUNCES
- COMPLETED ASSEMBLY SHALL BE TESTED IN ACCORDANCE WITH AND SHALL MEET ALL THE REQUIREMENTS OF RS.2003982
- CRT, B, 15 AND CRT, 13, 14 ARE TO BE SELECTED BY ELECTRICAL TEST. ONE, TWO OR THREE DIODES WILL BE SELECTED IN EACH AREA. IF LESS THAN THREE DIODES ARE REQUIRED, FIND NO. 13 AND 15 WILL BE USED IN THE REMAINING COMPONENT HOLES AND WIRING WILL BE COMPLETED AS SHOWN
- SEAL FIND NO. 9 TO HEADER PER ND1002004, TYPE III
- ASSEMBLY FIND NO. 39 TO MODULE AFTER SELECTED VALUE HAS BEEN DETERMINED
- MOUNTING TORQUE FOR FIND NO. 8 TO BE 2.0-2.5 INCH POUNDS
- USE FIND NO. 38 & FIND NO. 41 WHERE APPLICABLE ON ALL FIRST LEVEL WIRING TO THE MATRIX
- COAT INDICATED SURFACES, BOTH ENDS, TOP AND BOTTOM, BOTH SIDES PER ND1002187, TYPE II
- APPLY MIL-S-22473, GRADE HV TO FIND NO. 8
- PRINT - SURFACE, NOT TESTED, RED, USING NAR, INK 1006271-1



SECTION A-A







REF	SYMBOL	DESCRIPTION	VALUE
1	2009382	SCHEMATIC	16F
2	2009390	SCHEMATIC	16F
3	2004004-006	TRANSISTOR, POTTED	44
5	2004006	TRANSISTOR, POTTED	42
9	2004183-001	DIODE	44
AR, AR	006776-25	INSULATION SLEEVING	40
1	W45678-10	WIRE, ELECTRICAL	10
19	2004074	WASHER, INSULATOR	39
AR, AR	006777-12	WIRE, ELECTRICAL	38
16	2004083	INTEGRAL SENSE AMP.	36
16	2004083	TRANSFER GEMER	36
2	2004004-001	TRANSISTOR, POTTED	55
20	2004004-002	TRANSISTOR, POTTED	55
2	2004112-002	DIODE	53
1	2004013-003	DIODE	52
18	2004013-003	DIODE	52
1	006780-63	RESISTOR	30
1	SEE NOTE #162	RESISTOR	30
2	006780-63	RESISTOR	30
2	006780-63	RESISTOR	30
1	SEE NOTE #162	RESISTOR	28
1	006780-25	RESISTOR	28
1	SEE NOTE #162	RESISTOR	28
1	006780-25	RESISTOR	28
9	006780-19	RESISTOR	22
1	006780-19	RESISTOR	22
19	006780-32	RESISTOR	19
16	006780-32	RESISTOR	19
16	SEE NOTE #162	RESISTOR	19
32	006780-742	RESISTOR	32
32	006780-742	RESISTOR	32
AR, AR	006776-82	INSULATION SLEEVING	5
AR, AR	006776-82	INSULATION SLEEVING	5
AR, AR	006727-8	WIRE, ELECTRICAL	3
AR, AR	006787-1	WIRE, ELECTRICAL	12
1	200471	TERMINAL	10
1	200470	SCREW, A	10
4	006783-10	INSULATOR, MOUNTED	4
2	M516635-402	RING, RETAINING, EXTERNAL	7
2	M516635-402	RING, RETAINING, EXTERNAL	7
2	2004984-001	WASHER, FLAT	5
2	2004571	SCREW JACKING	5
2	2003009-01	MATRIX ASST	2
1	2004044	COVER	2
2	2003044-021	HEADER HOUSING, ASSEMBLY	2
QTY 074	PART OR IDENTIFYING NO.	DESCRIPTION	VALUE

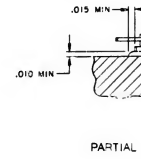
		UNIT	MIT INSTRUMENTATION LAB CAMBRIDGE MASS	MAINED SPACEFACT CENTER HOUSTON TEXAS
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FUNCTION VALUES USE W.J. REACTOR VALUES USE G.S. TOLERANCES ON DIMS: FRACTIONS .0005 .0010 DECIMALS .005 .010 DO NOT SCALE THIS DRAWING MATERIAL	SENSE AMPLIFIER MODULE, ERASABLE MEMORY B13 ASSEMBLY
2003989			APPROVED BY: [Signature] DATE: 6-27-64	CAGE IDENT NO. 200398 J
2003920			APPROVED BY: [Signature] DATE: 6-27-64	DRAWING NO. 2003982
NEXT REV.	USED ON			
	APPLICATION			

SEE NOTES 8 & 16

6

5

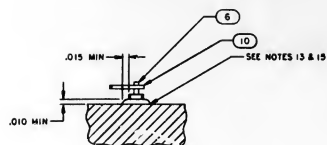
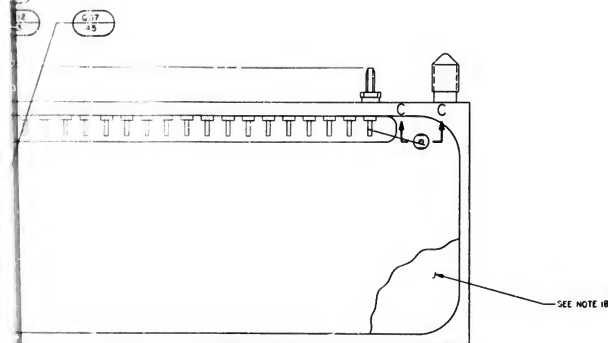
4



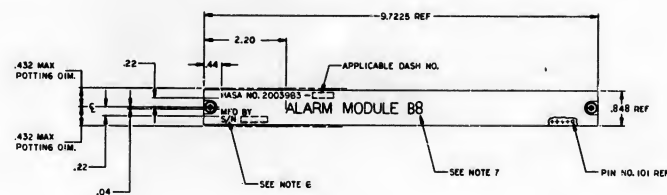
SEE NOTE 18

SEE NOTE 18

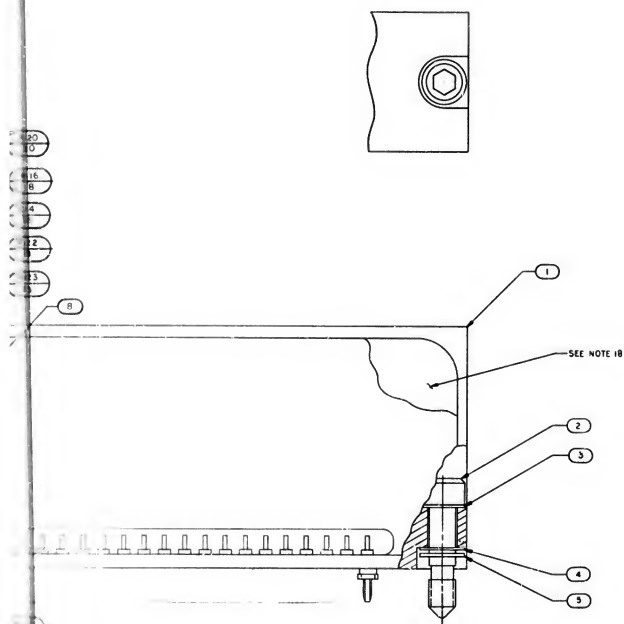
2003983 B



PARTIAL SECTION C-C

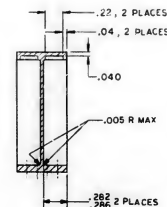


MARKING VIEW
SCALE 1/1

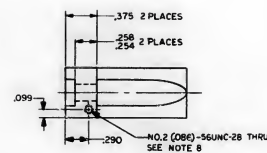
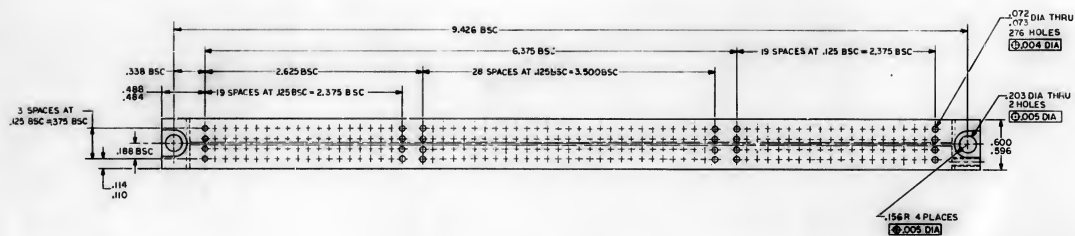


	2004927	S-HEAT	
	2004927	SCH-EMATIC	REF
16	2004184-70	TRANSFORMER	55
1	2004184-70	TRANSFORMER	55
1	1004750-33	RESISTOR	5b
1	1004755-49	CAPACITOR	55
1	1004755-51	CAPACITOR	55
1	1004755-52	RESISTOR	5b
1	1004750-36	RESISTOR	55
1	1004074	INSULATOR ASSEMBLY	62
5	SEE NOTE 8	RESISTOR	50
5	1008720-39	RESISTOR	49
5	1008735-39	RESISTOR	49
7	1004074	INSULATOR ASSEMBLY	62
7	1004074	INSULATOR ASSEMBLY	62
1	100400A-002	TRANSISTOR	47
1	1004100A-001	TRANSISTOR	45
4	2004118-002	DIGIT	47
1	1004100A-001	DIGIT	45
2	1008777-29	CAPACITOR	42
1	1008777-24	CAPACITOR	42
1	1008777-20	CAPACITOR	40
1	1008755-79	CAPACITOR	39
4	1008755-57	CAPACITOR	38
1	1008755-36	CAPACITOR	37
1	1008755-31	CAPACITOR	36
1	1004788-6	RESISTOR	35
1	1004777-42	RESISTOR	34
3	1003737-91	RESISTOR	33
1	1003737-90	RESISTOR	33
6	1004750-84	RESISTOR	31
1	1004750-83	RESISTOR	30
1	1004750-83	RESISTOR	29
9	1004750-58	RESISTOR	28
15	1004750-56	RESISTOR	27
17	1004750-45	RESISTOR	26
16	1004750-47	RESISTOR	25
5	1004750-43	RESISTOR	24
1	1004750-41	RESISTOR	23
1	1004750-33	RESISTOR	21
1	1004750-33	RESISTOR	20
2	1004750-30	RESISTOR	19
3	1004750-29	RESISTOR	18
1	1004750-15	RESISTOR	17
1	1004750-17	RESISTOR	16
1	1004750-8	RESISTOR	15
1	1004750-6	RESISTOR	14
3	1004750-1	RESISTOR	13
AR	1004767-22	INSULATION, SLEEVING	12
AR	1004767-21	INSULATION, SLEEVING	10
AR	1004757-8	WIRE, ELEC	10
AR	1004757-1	WIRE, ELEC	8
	2004929	INSULATOR ASSEMBLY	7
	2004718	INSULATOR A	7
	1004040	TERMINAL	6
	MS16355-4015	FLIP, RETAINING, EXTERNAL, E	5
	2004982-005	WASHER, FLAT	5
	2004984-001	WASHER, FLAT	5
	2004979-1	SCREW, JACKING	5
	2000502-021	HEATER, HOUSE, ASST	5

[illegible]



SECTION A-A



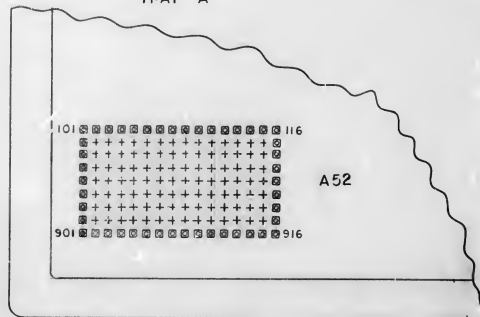
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-Q-70327.
2. MATERIAL: MAG ALLCT ZK60A-75 PER QQ-M-31
3. FINISH: ANODIZE PER MIL-M-45202 TYPE I, CLASS B
4. ALL SURFACES 125 UNLESS OTHERWISE SPECIFIED
5. ALL INSIDE RADII .015/.005 UNLESS OTHERWISE SPECIFIED
6. REMOVE ALL BURRS AND BREAK SHARP EDGES .005/.015
7. IDENTIFY WITH DRAWING NO. AND PEVISION PER NO1002019
8. TAP HOLE AFTER ANODIZE, COAT PER NO1002040

[illegible]

NOTE: THIS DRAWING IS A REPRODUCTION OF THE ORIGINAL DRAWING. IT IS NOT TO BE USED FOR FABRICATION PURPOSES. THE ORIGINAL DRAWING IS THE ONLY AUTHORITY FOR THE FABRICATION OF THE CONNECTOR. THE ORIGINAL DRAWING IS THE ONLY AUTHORITY FOR THE FABRICATION OF THE CONNECTOR. THE ORIGINAL DRAWING IS THE ONLY AUTHORITY FOR THE FABRICATION OF THE CONNECTOR.

TRAY A



WIREWRAPE SIDE
SCALE: NONE

101 MDT01	102 MDT02	103 MDT03	104 MDT04	105 MDT05	106 MDT06	107 MDT07	108 MDT08	109 MDT09	110 MDT10	111 MDT11	112 MDT12	113 MDT13	114 MDT14	115 MDT15	116 MDT16
201 MWL01	202 MWL02	203 MWL03	204 MWL04	205 MWL05	206 MWL06	207 MWL07	208 MWL08	209 MWL09	210 MWL10	211 MWL11	212 MWL12	213 MWL13	214 MWL14	215 MWL15	216 MWL16
301 MT01	302 MT02	303 MT03	304 MT04	305 MT05	306 MT06	307 MT07	308 MT08	309 MT09	310 MT10	311 MT11	312 MT12	313 MRULOG	314 MWF6	315 MWBG	316 MWBBEG
401 MST1	402 MST2	403 MST3	404 MTC5A	405 MWS6	406 MWZ6	407 MWYG	408 MWQG	409 MWBG	410 MSQ10	411 MSQ11	412 MSQ12	413 MSQ13	414 MSQ14	415 MSQEXT	416 MSQ16
501 MBR1	502 MBR2	503 MIIP	504 MCTAL	505 MTCAL	506 MRPTAL	507 ALGA	508 MPAL	509 MSTPIT	510 MGOJAM	511 MINHL	512 MINKL	513 MWLG	514 MONWT	515 MHSC	516 MRLG
601 STRT1	602 STRT2	603 MNHSBF	604 MNHNC	605 MNHRPT	606 MTC5A1	607 MSTRT	608 MSTP	609 MSBSP	610 MRDCH	611 WLDCH	612 MGP	613 MSP	614 MRG6	615 MWAG	616 MRAG
701 CNTRL1	702 CNTRL2	703 MTHI	704 MTLO	705 MWCH	706 MRCH	707 MONPAR	708 MONWBK	709 MWG	710 MNISQ	711 MREQIN	712 MWATCH	713 MLOAD	714 MREAD	715 MONSOO	716 MPALP
801 BPLSSW	802 +4SW	803	804	805	806	807	808 MSCDBL	809 NHALGA	810 DOSCAL	811 DBLTST	812 MWARNF	813 OUTCOM	814 MSCALF	815 MOSCAL	816 MNTAIL
901 OVDCA	902	903 OVDCA	904	905 OVDCA	906	907 OVDCA	908	909 OVDCA	910	911 OVDCA	912	913 OVDCA	914	915 OVDCA	916

NOTES:

- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS
PRESCRIBED BY MIL-D-70327

MASTER

REVISIONS 22262					
REV	DATE	DESCRIPTION	BY	CHK	DATE
A		REVISED PER DRR 24046	AM	WRC	10/1/68

QTY REQD	PART OR IDENTIFYING NO.	MATERIAL OR NOTES	NOMENCLATURE OR DESCRIPTION	FIG NO.
LIST OF MATERIALS				
MIT INSTRUMENTATION LAB CAY WOOD, BARR.				
DRAWN G. D. Lee				
CHECKED M. J. H. Jones				
APPROVED C. H. Hall				
APPROVED M. J. H. Jones				
APPROVED M. J. H. Jones				
CODE PRINT NO. SIZE				
80230 D				
DRAWING NO.				
2004152				
DATE SCALE				
1				



1. MATL. 7075-T6 AL PER QD-A-250/12,TEMP T6
2. REMOVE BURRS AND SHARP EDGES D08,D09
3. SURFACE FINISH ☒ EXCEPT WHEN OTHERWISE SHOWN
4. CHROMATE SURFACE A PER MIL-C-5541,TYPE II, GRADE C, CLASS 3
5. INTERMET DRAWING IN ACCORDANCE WITH STANDARDS
PRESCRIBED BY MIL-D-70327
6. ☒ DIMENSIONS CONTROLLED BY ICD MH01-D1305-116
7. MARK AS SHOWN: WAVE CHARACTERS PER ND020209 AND ND100212,
TYPE II, CLASS 2 USING: INK D06271-11
8. ANODIZE PER MIL-D-17825 TYPE II, DYED BLACK
EXCEPT SURFACE A AND HOLES
9. NO SCRATCHES PERMISSIBLE ON SURFACE A
10. IDENTIFY WITH PART NO. PER ND100209

DTG READ		PART OR IDENTIFYING NO.		NAME LOCATION OR DESCRIPTION		FILE NO.	
LIST OF MATERIALS				MATTER			
INSTRUMENTATION LAB DIVISION NO. 100				MANEED SPACECRAFT CENTER HOUSTON, TEXAS			
NAME JAMES EARL RAY				COVER, REAR			
OWNER JAMES EARL RAY				AGC QSKY			
DATE 11/11/68				2004900			
SEE NOTE 1				2004900			
2003965				2004900			
REAR TREATMENT				2004900			
NONE				2004900			
SEE NOTE 4				2004900			

